

CHAPTER 7

REFERENCES, ACRONYMS, GLOSSARY AND INDEX

7.1 REFERENCES

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7.2 ACRONYMS AND ABBREVIATIONS

°C	Degrees Celsius
°F	Degrees Fahrenheit
µg/g dw	Micrograms per gram dry weight
µg/L	Micrograms per liter
µg/m ³	Micrograms per cubic meter
AA	Assessment Areas
AADT	Annual average daily traffic
ABA	Acid-based accounting
ACEC	Area of Critical Environmental Concern
AGP	Acid generating potential
Agrium	Nu-West Industries, Inc., dba Agrium Conda Phosphate Operations (the Proponent)
ags	above ground surface
AIRFA	American Indian Religious Freedom Act
AIZ	Aquatic influence zone
amsl	Above mean sea level
ANP	Acid neutralizing potential
ANFO	Ammonium nitrate fuel oil
AO	Authorized Officer
AOI	Annual Operating Instructions
APE	Area of potential effects
APLIC	Avian Power Line Interaction Committee
Arcadis	Third-party EIS Contractor
ARD	Acid rock drainage
ARMP	Approved Resource Management Plan, BLM Pocatello Field Office
ARMPA	Approved Resource Management Plan Amendment, BLM Pocatello Field Office
ATF	U.S. Bureau of Alcohol, Tobacco and Firearms
ATV	All-terrain vehicles
BA	Biological Assessment
BAT	Batch adsorption test
BC	Brown and Caldwell
BCC	Birds of Conservation Concern

BCEH	Idaho Bureau of Community and Environmental Health
BCR	Bird Conservation Regions
BE	Biological Evaluation
BEA	Bureau of Economic Analysis
BEI	Backscatter imaging
BFR	Blackfoot River
bgs	Below ground surface
BLM	Bureau of Land Management
BLS	Bureau of Labor Statistics
BMP	Best management practice
BST	Basalt
btoc	Below top of casing
CaCO ₃	Calcium carbonate
CCC	Criteria continuous concentration
CCD	Census County Division
CDP	Census Designated Place
CEA	Cumulative effects area
CEQ	Council on Environmental Quality
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFA	Carbonate fluorapatite
CFR	Code of Federal Regulations
cfs	Cubic feet per second
CH ₄	Methane
CHZ	Core Habitat Zone
cm/sec	Centimeters per second
CMC	Criteria maximum concentration
CNF	Caribou National Forest
CO	Carbon monoxide
CO ₂	Carbon monoxide
CO ₂ e	CO ₂ equivalent
COPC	Constituent of potential concern
CPO	Conda Phosphate Operations Fertilizer Manufacturing Plant
CTNF	Caribou-Targhee National Forest
CWA	Clean Water Act
CWS	Center waste shale

dB	Decibel
dBA	A-weighted decibel
dba	Doing business as
DCS	Dark cherty shale
DFC	Desired future condition
DO	Dissolved oxygen
DOI	Department of the Interior
DR	Decision Record
DSAY	Discounted Service Acre Year
EC	Electrical conductivity
EDS	Energy dispersive x-ray spectroscopy
EIS	Environmental Impact Statement
EMP	Environmental Monitoring Plan
EO	Executive Order
EPT	<i>Ephemeroptera-Plecoptera-Trichoptera</i>
ESA	Endangered Species Act
ES&R	Emergency stabilization and rehabilitation
ET	Evapotranspiration
FHWA	Federal Highway Administration
FLPMA	Federal Land Policy and Management Act
FOS	Factors of safety
FR	Forest Road or Final Rule
ft/day	Feet per day
ft ² /day	Square feet per day
FWM	Foot wall mud
FY	Fiscal year
GCLL	Geosynthetic clay laminate liner
GHG	Greenhouse gas
GHMA	General Habitat Management Area
GHZ	General Habitat Zone
GIS	geographic information system
GM	Growth medium
gpm	Gallons per minute
GTD	Grandeur Tongue
GWP	Global Warming Potential

HDPE	High-density polyethylene
HEA	Habitat Equivalency Analysis
HM	Head Month
HOSGA	Henry Olsen Sheep and Goat Allotment
hp	Horsepower
HR	Haul road
HRV	Historical range of variability
HUC	Hydrologic Unit Code
HWM	Hanging wall mud
ICP-AES/MS	Inductively coupled plasma atomic emission spectroscopy and mass spectrometry
IDAPA	Idaho Administrative Procedures Act
IDEQ	Idaho Department of Environmental Quality
IDFG	Idaho Department of Fish and Game
IDL	Idaho Department of Lands
IDoL	Idaho Department of Labor
IDOT	Idaho Department of Transportation
IDT	Interdisciplinary Team
IDWR	Idaho Department of Water Resources
IFWIS	Idaho Fish and Wildlife Information System
IHMA	Important Habitat Management Areas
IHZ	Important Habitat Zone
IPaC	Information for planning and Conservation
IPCC	Intergovernmental Panel on Climate Change
IPMP	Investigation of Phosphate Mine Contamination and Final Risk Management Plan
IRA	Inventoried Roadless Area
ISSS	Idaho Special Status Species
IWI	Index of Watershed Indicators
K	Hydraulic conductivity
kg	Kilograms
kHz	Kilohertz
kPa	KiloPascals
KOP	Key observation point
KPLA	Known phosphate leasing area
K _{sat}	Saturated hydraulic conductivity

LAU	Lynx analysis unit
lb/hr	Pounds per hour
LCY	Loose cubic yards
L _{dn}	Day-night average sound (noise) level
L _{eq}	Equivalent noise level
LHC	Land Health Condition
L _{max}	Maximum noise level
LO	Lower ore
LOP	Lower ore partings
M	Modification
MBCY	Million bank cubic yards
MBTA	Migratory Bird Treaty Act
MDEQ	Montana Department of Environmental Quality
MDL	Method detection limit
ME	Minerals and Energy
mg/g	Milligrams per gram
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
MIS	Management indicator species
mL/hr	Milliliters per hour
MLCY	Million loose cubic yards
MOU	Memorandum of Understanding
mph	Miles per hour
MSGP	Multi-sector General Permit
MSHA	Mine Safety and Health Administration
MWAM	Montana Wetland Assessment Method
N ₂ O	Nitrous oxide
N/A	Not Applicable
NAAQS	National Ambient Air Quality Standards
NAD 83	North American Datum of 1983
NAGPRA	Native American Graves Protection and Repatriation Act
NEPA	National Environmental Policy Act
NFS	National Forest System
NHPA	National Historic Preservation Act
NNP	Net neutralization potential

NO ₂	Nitrogen dioxide
NOA	Notice of Availability
NOI	Notice of Intent
NO _x	Oxides of nitrogen
NPDES	National Pollutant Discharge Elimination System
NPS	National Park Service
NRCS	National Resources Conservation Service
NRHP	National Register of Historic Places
NSPS	New Source Performance Standards
NTT	National Technical Team
NTU	Nephelometric turbidity units
NWI	National Wetlands Inventory
NWS	National Weather Service
O ₃	Ozone
OHV	Off-highway vehicles
ORP	Oxidation-reduction potential
P	Preservation
P4	P4, LLC
Pb	Lead
PE	Professional Engineer
PFA	Post-fledging area
PFC	Proper functioning condition
PFO	Pocatello Field Office
PFYC	Potential Fossil Yield Classification
PGA	Peak ground acceleration
PGH	Preliminary general habitat
PHMA	Priority Habitat Management Areas
PILT	Payment In Lieu of Taxes
PLS	Percent live seed
PM ₁₀	Particulate matter with a nominal diameter of 10 microns or less
PM _{2.5}	Particulate matter with a nominal diameter of 2.5 microns or less
POC	Point of Compliance
ppb	Parts per billion
ppm	Parts per million
PR	Partial Retention

PRISM	Parameter-elevation Regressions on Independent Slopes Manual
Proposed Action	Rasmussen Valley Mine Project
PSB	Passerines and small birds
PSD	Prevention of Significant Deterioration
PVC	Polyvinyl chloride
R	Retention
RAWS	Remote Automated Weather Station
RCA	Rasmussen Collaborative Alternative
RCRA	Resource Conservation and Recovery Act
RHCA	Riparian habitat conservation area
redox	Oxidation and reduction
REX	Rex chert
RFP	Revised Forest Plan
RICHCOVWET	Richness-cover-wetness metric
RLB	Raptor/Large Bird
RM	Roaded Modified
RMI	River Macroinvertebrate Index
RNA	Research Natural Area
ROD	Record of Decision
ROM	Run of mine
ROS	Recreation Opportunity Spectrum
RQD	Rock quality designation
RVCA	Rasmussen Valley Cattle Allotment
S	Storativity
SARA	Superfund Amendments and Reauthorization Act
Sat VWC	Saturated volumetric water content
Se	Selenium
SE	Southeast
Se ⁰	Elemental selenium
Se ²⁻	Selenide
Se ⁴⁺	Selenite
Se ⁶⁺	Selenate
SHI	Stream Habitat Index
SHPO	State Historic Preservation Office
SMI	Stream Macroinvertebrate Index

SNOTEL	Snow Telemetry
SO ²	Sulfur dioxide
SOPA	Schedule of proposed actions
SPCC	Spill prevention, control, and countermeasures
SPLP	Synthetic precipitation leaching procedure
SPM	Semi-Primitive Motorized
SS	Stainless steel
Study Area	Geographic area (2,567 acres) considered for NEPA analysis
s.u.	Standard units
SUA	Special Use Authorization
SWPPP	Stormwater Pollution Prevention Plan
T	Transmissivity
TCP	Traditional cultural property or place
TDS	Total dissolved solids
TEPC	Threatened, endangered, proposed, or candidate
TMDL	Total Maximum Daily Loads
TOC	Total organic carbon
tons/yr	Tons per year
TPH	Total petroleum hydrocarbon
TSS	Total suspended solids
U.S.C.	United States Code
UO	Upper ore
UOP	Upper ore partings
USACE	U.S. Army Corps of Engineers
USCB	U.S. Census Bureau
USDA	U.S. Department of Agriculture
US DOI	U.S. Department of the Interior
US DOT	U.S. Department of Transportation
USEPA	U.S. Environmental Protection Agency
USFS	U.S. Forest Service
USFWS	U.S. Fish and Wildlife Service
USGCRP	U.S. Global Change Research Program
USGS	U.S. Geological Survey
UTM	Universal Transverse Mercator
VCR	Visual Contrast Rating

VMS	Visual Management System
VOC	Volatile organic compound
VQO	Visual Quality Objective
VRM	Visual Resource Management
VWC	Volumetric water content
VWP	Vibrating wire piezometer
WAA	Wetland Assessment Area
WAO	Within aspen overstory metric
WEG	Wind erodibility group
WEL	Wells Formation
WER	Water effect ratio
WMA	Wildlife Management Area
WOUS	Waters of the U.S.
WRCC	Western Regional Climate Center
WSA	World shale average
WSR	Wild and scenic river
WUI	Wildland Urban Interface
XRD	X-ray diffraction
XRF	X-ray fluorescence
yd	Yard
yd ³	Cubic yard
YOY	Young-of-year

7.3 GLOSSARY

Acre-foot - The volume of liquid or solid required to cover 1 acre to a depth of 1 foot, or 43,560 cubic feet; measure for volumes of water, reservoir rock, and other related materials.

Agencies, the - The Agencies refers jointly to the lead agencies preparing this EIS (U.S. Bureau of Land Management, Pocatello Field Office [BLM] and the U.S. Forest Service, Caribou-Targhee National Forest [USFS]) and the cooperating and participating agencies including the Idaho Department of Environmental Quality (IDEQ), the Walla Walla District of the U.S. Army Corps of Engineers (USACE), the Idaho Department of Lands (IDL), the Idaho Department of Fish and Game (IDFG), and the U.S. Fish and Wildlife Service (USFWS).

Allotment - A unit of land suitable and available for livestock grazing that is managed as one grazing unit.

Alluvium - Unconsolidated or poorly consolidated gravel, sands, and clays, deposited by streams and rivers on riverbeds, floodplains, and alluvial fans.

Alteration floor - The depth at which less weathered or unaltered ore is encountered.

Ambient - The environment as it exists at the point of measurement and against which changes or impacts are measured.

Analysis Area - Each resource defines an analysis area that includes areas of potential indirect effects to that resource from the Proposed Action or alternatives. The analysis area may also provide a context to establish baseline conditions to which potential effects can be compared. The analysis area is generally larger than the Study Area.

Animal Unit Months (AUMs) - The amount of forage consumed by a 1,000-pound cow and calf (less than 6 months of age) over a 1-month period (approximately 800 pounds of forage).

Anticline - A fold in rock, where the interior of the fold is composed of rocks that are older than the rocks on the exterior of the fold.

Aquatic Resources - Biological resources (plants, animals, and other life forms) present in or dependent on streams, lakes, and other surface water.

Aquifer - A body of rock that is sufficiently permeable to conduct groundwater and to yield economically significant quantities of water to wells and springs.

Aquitard - A leaky barrier to groundwater flow.

Attenuation - The process of becoming thinner, or diminished, in dimension, concentration, or density.

Baseline Study - A study conducted to gather data before mining, outlining conditions existing on the proposed mine site. Impacts and reclamation success are measured against baseline data.

Best Management Practices (BMPs) - Established and effective environmental protection practices. Also innovative, dynamic, and improved environmental protection practices applied

to industrial projects to help ensure that development is conducted in an environmentally responsible manner.

Bioaccumulation - The accumulation of a substance, such as a toxic chemical, in various tissues of a living organism. The process typically occurs when certain chemicals are taken up by organisms from water or sediment directly or through consumption of food containing the chemicals.

Bioaccumulation factor - The ratio of the concentration of a chemical inside an organism to the concentration in the surrounding environment.

Biodiversity - The diversity of species, ecosystems, and natural processes in an area.

Biological Assessment - Information prepared by or under the direction of the federal agency concerning listed species that may be present in an area and the evaluation of potential effects of an action on such species and habitats. The purpose of the biological assessment is to evaluate the potential effects of the action on listed or proposed species or designated or proposed critical habitat, and determine whether any such species and habitats are likely to be adversely affected by the action. Biological assessments are conducted for major federal construction projects requiring an EIS.

Biological Evaluation (BE) - A document describing the components of a Proposed Action or Agency Preferred Alternative in sufficient detail to determine the effects that implementation would have on USFS Sensitive Species, USFS Management Indicator Species, BLM Sensitive Species, and any other species included in the management standards and guidelines of the BLM PFO ARMP or the CNF RFP.

Chert - A hard, dense, microcrystalline sedimentary rock, consisting chiefly of interlocking crystals of quartz less than about 30 micrometers in diameter; it may contain amorphous silica (opal). It may be white or variously colored. Chert occurs primarily as nodular or concretionary segregations, or nodules in limestone or dolomite, and less commonly as layered deposits or bedded chert.

Code of Federal Regulations (CFR) - The compilation of federal regulations adopted by federal agencies through a rule-making process.

Colluvium - General term applied to loose and incoherent deposits, usually at the foot of a slope or cliff and brought there chiefly by gravity; such as talus and cliff debris.

Column Test - A laboratory leaching test where water or other leaching solution is percolated through a vertical column of earth material, and the resulting leachate is collected and analyzed for dissolved parameters.

Concurrent Reclamation - Concurrent backfilling and reclamation of sequential mine phases or other mining disturbances.

Critical (Crucial) Habitat - Habitat that is present in minimum amounts and is a determining factor for population maintenance and growth.

Cultural Resources - The archaeological and historical remains of human occupation or use. Includes any manufactured objects, such as tools or buildings. May also include objects, sites, or geological/geographical locations significant to Native Americans.

Cumulative Effects - As defined by 40 CFR 1508.7, cumulative effects are the impacts on the environment which result from the incremental impact of the action when added to other past, present, and reasonably foreseeable future actions, regardless of what agency or person undertakes such other actions. Cumulative effects can result from individually minor but collectively significant actions taking place over a period of time. Analysis addresses the contribution of the Proposed Action or alternatives to the cumulative effects to resources. If the Proposed Action or Alternatives have no direct or indirect effect to a given resource, they do not contribute to cumulative effects to that resource, regardless of the overall magnitude of cumulative effects.

Cumulative Effects Area - An area of analysis defined by resource over which incremental impacts of the Proposed Action or alternatives combined with past, present and reasonably foreseeable future actions can adversely affect the resource over a period of time.

Direct Effects - As defined by 40 CFR 1508.9, these are effects caused by the action and which occur at the same time and place as the action. Synonymous with direct impacts.

Discharge - The allowance of a release of water or liquid from a facility where it has been contained or the volume of water flowing past a point per unit time, commonly expressed as cubic feet per second (cfs), gallons per minute (gpm), or million gallons per day (mgd).

Disturbed Area - Area where natural vegetation and soils have been removed or disrupted.

Drainage Channel - Natural channel through which water flows during some time of the year. Natural and artificial means for effecting discharge of water as by a system of surface and subsurface passages.

Drawdown - The lowering of the water level in a well or aquifer as a result of water withdrawal.

Endangered Species - Any plant or animal species in danger of extinction throughout all or a significant portion of its range. Plant or animal species identified by the Secretary of the Interior as endangered in accordance with the 1973 Endangered Species Act.

Erosion - The wearing away of soil and rock by weathering, mass wasting, and the action of streams, glaciers, waves, wind, and underground water.

Evapotranspiration - The portion of precipitation returned to the air through evaporation and plant transpiration.

Exploration - The search for economic deposits of minerals, ore, and other materials through practices of geology, geochemistry, geophysics, drilling, or mapping.

Fate and Transport - Description of the movement of a contaminant through a groundwater system which may include the effects of dilution, dispersion, attenuation, and various chemical reactions.

Fault - Surface of rock rupture along which there has been differential movement.

Fisheries - Streams and lakes used for fishing.

Floodplain - That portion of a river valley adjacent to the channel which is built of sediments deposited during the present regimen of the stream and which is covered with water when the river overflows its banks at flood stages.

Forb - Any herbaceous (not woody) plant other than a grass.

Fugitive Dust - Particulate matter that is generated or emitted by open air operations (emissions that do not pass through a stack or vent), for example, dust from blasting or explosives, drilling, screening, hauling, material handling, or wind erosion from areas such as disturbed areas, overburden piles, or GM stockpiles.

Game Species - Animals commonly hunted for food or sport.

Geotechnical - A branch of engineering concerned with the engineering design aspects of slope stability, settlement, earth pressures, bearing capacity, seepage control, and erosion.

Grade - A slope stated in terms of feet per mile or as vertical feet divided by horizontal feet (percent grade); the relative mineral ore content of a rock.

Greenhouse Gas - Greenhouse gases are gases, including but not limited to carbon dioxide (CO₂), methane (CH₄) and nitrous oxide (N₂O), that trap heat in the atmosphere and can contribute to climate change.

Groundwater - All subsurface water, especially that as distinct from surface water in the zone of saturation.

Habitat - The place or type of site where a plant or animal naturally or normally lives and grows. Includes all biotic, climatic, and soils conditions, or other environmental influences affecting living conditions.

Haul Road - All roads typically designed for large equipment used for transport of an extracted mineral, overburden, or other earthen materials.

Hydraulic Conductivity - The permeability of a rock mass or unconsolidated deposit with respect to water.

Hydrologic Disturbance - These include changes in natural canopy cover or surface soil characteristics that may alter natural streamflow quantities and character.

Hydrologically Connected Roads - Any road segment that, during a design runoff event, has a continuous flow path beneath any part of the road prism and a natural stream channel.

Indirect Effects - As defined by 40 CFR 1508.8, these are reasonably foreseeable effects caused by the action but occur later in time or are removed in distance from the action. Synonymous with indirect impacts.

Infiltration - The movement of surface water or some other liquid into the soil or rock through pores or other openings.

Infrastructure - The basic framework or underlying foundation of a community or project including road networks, electric and gas distribution, water and sanitation services, and facilities.

Intermittent Stream - 1) A stream that flows only at certain times of the year, as when it receives water from springs or from a surface source and 2) a stream that does not flow continuously, as when water losses from evaporation or seepage exceed the available stream flow.

Irretrievable - Applies to the loss of production, harvest, or use of natural resources. For example, some or all of the timber production from an area is lost irretrievably while an area is serving as a winter sports site. The production lost is irretrievable, but the action is not irreversible. If the use changes, it is possible to resume timber production.

Irreversible - Applies primarily to the use of nonrenewable resources, such as minerals or cultural resources, or to those factors that are renewable only over long time spans such as soil productivity and aspen regeneration. Irreversible also includes loss of future options.

Jurisdictional Wetland - A wetland area identified and delineated by specific technical criteria, field indicators, and other information for purposes of public agency jurisdiction. The public agencies which administer jurisdictional wetlands are the U.S. Army Corps of Engineers, U.S. Environmental Protection Agency, U.S. Fish and Wildlife Service, and USDA-Soil Conservation Service.

Land Use - Land uses determined for a given area that establish the types of activities allowed (e.g., mining, agriculture, timber production, residences, industry) and the size of buildings and structures permitted.

Linkage Area - A habitat corridor that facilitates exploratory movements and is important for dispersal and breeding season movements.

Lithology - The description of rocks in terms of the physical character of a rock, mineral composition, grain size, color, and other physical characteristics.

Long-Term Effects - Effects are effects that would remain following completion of the project. As an example, unreclaimed pit walls would be a long-term effect. They would not be included in the crest-to-crest backfill at the end of the project and would not be revegetated.

Meade Peak - The phosphate-rich Meade Peak Member of the Permian-age Phosphoria Formation. The economic phosphate rock occurs in two zones within the Meade Peak Member. Certain layers within the Meade Peak also contain selenium and other COPCs that can be released into water when they are disturbed.

Meade Peak Overburden - Overburden that may contain Meade Peak or specific Rex Chert strata is referred to as "Meade Peak-containing material" or "Meade Peak overburden."

Mesic - Moist habitats associated with springs, seeps, and riparian areas.

Mitigate, Mitigation - To cause an impact to become less severe or harmful. To reduce impacts. Actions to avoid, minimize, rectify, reduce, eliminate, and compensate for impacts to environmental resources.

Monitor - To systematically and repeatedly watch, observe, or measure environmental conditions in order to track changes or regulatory compliance.

National Environmental Policy Act of 1969 (NEPA) - The national charter for protection of the environment. NEPA establishes policy, sets goals, and provides means for carrying out the policy. Regulations at 40 CFR 1500-1508 implement the Act.

Non-Meade Peak Overburden - Overburden (see below) that does not include Meade Peak strata or specific Rex Chert strata and typically has a lower content of selenium and other COPCs, referred to as “non-Meade Peak-containing material” or “non-Meade Peak overburden”.

Noxious Weed - An alien, introduced, or exotic plant species that is adventive, aggressive, or overly competitive with more desirable plant species.

Ore - A deposit of rock from which a valuable mineral or minerals can be economically extracted.

Overburden - Sub-economic, non-ore material that overlies or interfingers with the ore and must be segregated and removed to allow recovery of a deposit of valuable material.

Perennial Stream - A stream or reach of a stream that flows throughout the year.

Permeable - The property or capacity of a porous rock, sediment, or soil to transmit a liquid.

Pit Backfill - Overburden (sub-economic, non-ore material) that is placed in a mined-out pit.

Point of Compliance (POC) - A location identified or agreed to by the IDEQ for a groundwater monitoring well downgradient of an undertaking to detect the presence of any contaminants released into the groundwater and evaluate whether those contaminants exceed levels allowed by the Clean Water Act.

Productivity - In reference to vegetation, productivity is the measure of live and dead accumulated plant materials.

Proposed Action - All areas of proposed surface disturbance identified in the 2011 Mine and Reclamation Plan (Agrium 2011), including the mine pits, temporary or permanent overburden and overfill piles, GM stockpiles, temporary stockpiles, access roads, new haul roads from the mine pits to the existing Wooley Valley Tipple Haul Road, and ancillary mine facilities.

Raptor - A bird of prey (e.g., eagles, hawks, falcons, and owls).

Recontouring - Reshaping an area to obtain more stable or more natural topographic contours by reclamation measures, particularly in reference to roads.

Record of Decision (ROD) - A decision document for an EIS or Supplemental EIS that publicly and officially discloses the responsible official's decision regarding the actions proposed in the EIS and their implementation.

Reserves - Identified resources of mineral-bearing rock from which the mineral can be extracted profitably with existing technology and under present economic conditions.

Riparian - Situated on or pertaining to the bank of a river, stream, or other body of water. Riparian is normally used to refer to plants of all types that grow along streams, rivers, or at spring and seep sites.

Runoff - That part of precipitation or snow melt that is in excess of what infiltrates or evaporates and typically flows downhill toward depressions or surface streams.

Runon - That part of precipitation or snow melt that runs onto an adjacent area. Runoff that flows onto an area.

Scoping - Procedures by which agencies determine the extent of analysis necessary for a proposed action (the range of actions, alternatives, and impacts to be addressed; identification of significant issues related to a proposed action; and the depth of environmental analysis, data, and task assignments needed; 40 CFR 1501.7).

Sediment (as in Stream Sediment) - Solid particulate material suspended in or settling to the bottom of a liquid. Sediment input comes from natural sources such as soil erosion, rock weathering, agricultural practices, or construction activities.

Seismicity - The likelihood of an area being subject to earthquakes; the phenomenon of earth movements.

Shale - A fine-grained sedimentary rock formed by the compaction of clay, silt, or mud. It has a finely laminated structure which gives it a natural plain along which the rock splits, especially on weathered surfaces.

Short-Term Effects - Those effects that would not last longer than the life of the project, including reclamation. As an example, the loss of vegetation from the construction of a haul road would be a short-term effect because the road would be reclaimed and vegetation re-established following completion of the project. Reclamation in this context includes recontouring and re-establishing vegetative cover. It does not include vegetative succession and re-establishment of communities.

Significant - As used in the context of NEPA, determination of significance requires consideration of both context and intensity. Context means that the significance of an action must be analyzed in several contexts such as society as a whole, and the affected region, interests, and locality. Intensity refers to the severity of impacts (40 CFR 1508.27).

Storage - A dimensionless value defined as the volume of water an aquifer releases or takes into storage per unit surface area of the aquifer for a unit change in head.

Study Area - The Study Area shown encompasses the Proposed Action and anticipated elements of the alternatives for which baseline studies were conducted. The Study Area is larger than the Proposed Action.

Threatened Species - Any species of plant or animal that is likely to become endangered within the foreseeable future throughout all or a significant portion of its range.

Tilth - The fitness of soil for cultivation, as measured by its structure, properties and composition.

Tipple Facility - Area where mined ore is hauled to and stockpiled for subsequent loading onto trucks, rail cars or other conveyance for transport to the processing plant.

Transmissivity - The rate at which water can be transmitted through a unit width of an aquifer under a unit hydraulic gradient.

Visual Sensitivity - A measure of public concern for scenic quality and existing or proposed visual change.

Waters of the U.S. (WOUS) - A jurisdictional term from Section 404 of the Clean Water Act referring to waterbodies, such as lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, the use, degradation, or destruction of which could affect interstate or foreign commerce.

Watershed - The geographic region from which water drains into a particular stream, river, or body of water. A watershed includes hills, lowlands, and the body of water into which the land drains. A watershed boundary is typically defined by the ridges or divides separating watersheds, but can include other areas if significant subsurface inputs derive from outside the boundaries.

Wetlands - Areas inundated by surface or groundwater with a frequency sufficient to support, and under normal circumstances does or would support, a prevalence of vegetation or aquatic life that requires saturated or seasonally saturated soil conditions for growth and reproduction.

Wilderness - Land designated by the U.S. Congress as a component of the National Wilderness Preservation System.

Wind Erodibility Group - A grouping of soils that have similar properties affecting their resistance to soil blowing in cultivated areas.

7.4 INDEX

A

acid rock drainage, 3-17, 7-36

acid-base accounting, 3-14, 3-15, 3-17, 3-21, 4-14, 7-36

acidic drainage, 3-17

air emissions, ES-12, 2-23, 2-74, 2-80, 2-81, 2-84, 4-22, 4-28, 4-31

air quality, ES-12, 1-10, 1-18, 1-19, 2-81, 3-1, 3-25, 4-20, 4-21, 4-31, 4-32, 4-272, 5-9, 5-10

alternative, ES-1, ES-4, ES-5, ES-9, ES-19, ES-20, ES-21, ES-23, ES-24, ES-25, 1-2, 1-5, 1-6, 1-7, 1-13, 1-15, 1-17, 1-18, 2-1, 2-11, 2-34, 2-35, 2-36, 2-37, 2-38, 2-41, 2-43, 2-49, 2-51, 2-57, 2-59, 2-61, 2-63, 2-64, 2-65, 2-69, 2-70, 2-71, 2-73, 2-74, 2-75, 2-76, 2-77, 2-78, 2-79, 2-80, 2-81, 2-83, 2-84, 2-85, 2-86, 2-87, 2-89, 2-91, 2-92, 2-94, 2-95, 2-96, 2-97, 2-98, 2-99, 2-102, 2-103, 2-104, 2-105, 2-106, 2-107, 2-108, 3-1, 3-74, 3-80, 3-87, 3-162, 3-166, 3-179, 4-1, 4-5, 4-15, 4-16, 4-17, 4-20, 4-27, 4-31, 4-33, 4-45, 4-46, 4-47, 4-87, 4-110, 4-113, 4-117, 4-119, 4-128, 4-137, 4-138, 4-145, 4-147, 4-148, 4-154, 4-162, 4-167, 4-169, 4-175, 4-176, 4-177, 4-180, 4-179, 4-180, 4-181, 4-182, 4-184, 4-189, 4-203, 4-216, 4-219, 4-236, 4-244, 4-246, 4-247, 4-254, 4-256, 4-258, 4-263, 4-264, 4-265, 4-266, 4-267, 4-268, 4-269, 4-270, 4-271, 4-272, 4-273, 5-1, 5-23, 5-35, 5-41, 5-42, 5-43, 5-52, 5-53, 5-67, 5-68, 7-2, 7-4, 7-5, 7-20, 7-28, 7-42, 7-45, 7-47, 7-51

amphibian, ES-18, ES-19, ES-20, ES-21, 1-27, 2-99, 2-100, 2-101, 2-100, 3-118, 3-123, 3-124, 3-125, 3-129, 3-130, 3-147, 3-148, 4-169, 4-173, 4-174, 4-175, 4-179, 4-180, 4-183, 4-218, 4-235, 4-237, 5-42, 5-46, 5-47, 5-48, 5-51, 7-3, 7-12

Angus Creek, ES-7, ES-13, ES-14, ES-15, ES-16, 1-2, 1-22, 2-7, 2-11, 2-27, 2-37, 2-46, 2-73, 2-74, 2-80, 2-81, 2-87, 2-88, 2-87, 2-89, 2-92, 2-98, 3-32, 3-39, 3-42, 3-49, 3-50, 3-56, 3-65, 3-66, 3-77, 3-102, 3-103, 3-107, 3-108, 3-109, 3-110, 3-112, 3-118, 3-119, 3-123, 3-

126, 3-127, 3-128, 3-129, 3-130, 3-131, 3-132, 3-133, 3-139, 3-148, 3-154, 3-157, 3-159, 3-161, 3-166, 3-167, 4-32, 4-33, 4-38, 4-39, 4-40, 4-41, 4-42, 4-48, 4-51, 4-56, 4-57, 4-73, 4-74, 4-79, 4-80, 4-81, 4-82, 4-83, 4-84, 4-85, 4-108, 4-109, 4-110, 4-111, 4-114, 4-132, 4-147, 4-152, 4-158, 4-170, 4-171, 4-172, 4-173, 4-174, 4-177, 4-178, 4-182, 4-183, 4-189, 4-200, 4-202, 4-207, 4-210, 4-215, 4-216, 4-217, 4-219, 4-254, 4-261, 4-267, 5-8, 5-21, 5-22, 5-23, 5-24, 5-47, 5-60

aquatic, ES-4, ES-7, ES-18, ES-19, ES-22, ES-25, 1-22, 1-26, 1-27, 2-20, 2-24, 2-33, 2-36, 2-46, 2-59, 2-97, 2-98, 2-104, 2-108, 3-13, 3-32, 3-39, 3-40, 3-41, 3-42, 3-44, 3-45, 3-50, 3-51, 3-54, 3-55, 3-56, 3-57, 3-104, 3-118, 3-119, 3-120, 3-121, 3-126, 3-127, 3-130, 3-132, 3-146, 3-147, 4-9, 4-32, 4-33, 4-61, 4-84, 4-86, 4-128, 4-149, 4-152, 4-157, 4-158, 4-164, 4-169, 4-170, 4-171, 4-172, 4-173, 4-174, 4-175, 4-176, 4-177, 4-178, 4-179, 4-180, 4-181, 4-182, 4-183, 4-189, 4-200, 4-202, 4-207, 4-209, 4-212, 4-215, 4-216, 4-217, 4-235, 4-236, 4-237, 4-254, 4-272, 4-273, 5-19, 5-21, 5-30, 5-42, 5-43, 5-44, 5-45, 5-46, 5-47, 5-48, 5-52, 6-5, 6-6, 7-9, 7-10, 7-16, 7-18, 7-19, 7-24, 7-30, 7-31, 7-36, 7-45, 7-52

aquifer, ES-7, ES-14, ES-15, ES-16, 1-22, 2-38, 2-46, 2-86, 2-88, 2-89, 2-90, 2-89, 2-90, 2-91, 2-92, 2-95, 3-58, 3-65, 3-66, 3-73, 3-74, 3-75, 3-76, 3-77, 3-78, 3-79, 3-81, 3-85, 3-86, 4-25, 4-32, 4-34, 4-37, 4-38, 4-39, 4-40, 4-41, 4-42, 4-48, 4-51, 4-56, 4-57, 4-65, 4-66, 4-73, 4-75, 4-77, 4-81, 4-88, 4-89, 4-90, 4-92, 4-95, 4-96, 4-97, 4-103, 4-104, 4-105, 4-107, 4-111, 4-112, 4-162, 5-12, 5-17, 5-22, 5-23, 7-1, 7-4, 7-8, 7-45, 7-47, 7-51, 7-52

ARD, 3-17, 7-36

arsenic, 3-17, 3-19, 3-40, 3-41, 3-57, 3-61, 3-62, 3-80, 4-8, 7-25

aspen, ES-19, ES-20, 2-34, 2-94, 2-96, 2-100, 2-101, 2-99, 2-100, 3-97, 3-98, 3-101, 3-102, 3-110, 3-111, 3-112, 3-113, 3-114, 3-115, 3-116, 3-117, 3-141, 3-142, 3-144, 3-152, 3-157, 3-167, 4-14, 4-121, 4-123, 4-124, 4-126,

4-127, 4-136, 4-137, 4-138, 4-141, 4-142, 4-147, 4-148, 4-152, 4-153, 4-154, 4-155, 4-159, 4-161, 4-162, 4-163, 4-164, 4-165, 4-166, 4-167, 4-168, 4-185, 4-186, 4-187, 4-188, 4-198, 4-202, 4-204, 4-205, 4-208, 4-209, 4-214, 4-220, 4-221, 4-222, 4-223, 4-230, 4-232, 4-234, 4-236, 4-246, 5-27, 5-31, 5-34, 5-35, 5-36, 5-39, 5-41, 5-43, 7-15, 7-18, 7-23, 7-44, 7-49

B

backfill, ES-3, ES-4, ES-5, ES-6, ES-7, ES-8, ES-9, ES-10, ES-11, ES-14, ES-15, ES-16, ES-18, 1-12, 2-2, 2-5, 2-6, 2-8, 2-11, 2-12, 2-17, 2-18, 2-19, 2-20, 2-21, 2-24, 2-25, 2-27, 2-28, 2-31, 2-32, 2-33, 2-36, 2-37, 2-38, 2-39, 2-40, 2-45, 2-46, 2-51, 2-52, 2-53, 2-54, 2-56, 2-59, 2-60, 2-63, 2-64, 2-67, 2-69, 2-70, 2-73, 2-74, 2-75, 2-76, 2-77, 2-86, 2-89, 2-90, 2-91, 2-96, 3-14, 4-5, 4-7, 4-10, 4-11, 4-15, 4-16, 4-17, 4-21, 4-27, 4-32, 4-33, 4-34, 4-37, 4-40, 4-42, 4-45, 4-52, 4-53, 4-56, 4-57, 4-65, 4-66, 4-74, 4-79, 4-80, 4-82, 4-87, 4-88, 4-89, 4-90, 4-91, 4-92, 4-95, 4-96, 4-97, 4-104, 4-105, 4-107, 4-109, 4-110, 4-111, 4-112, 4-117, 4-118, 4-123, 4-124, 4-134, 4-138, 4-140, 4-148, 4-149, 4-152, 4-159, 4-162, 4-165, 4-183, 4-239, 4-240, 4-245, 4-246, 4-272, 4-273, 5-5, 5-8, 5-42, 5-51, 5-55, 7-3, 7-49, 7-50

backfilling, ES-3, ES-4, ES-5, ES-6, ES-9, 2-5, 2-11, 2-12, 2-18, 2-20, 2-28, 2-36, 2-51, 2-53, 2-60, 4-15, 4-21, 4-34, 4-88, 4-112, 4-143, 4-148, 4-149, 4-183, 5-5, 5-22, 7-46

bald eagle, 3-116, 3-117, 3-142, 4-206, 4-207, 4-208, 4-232, 5-52, 7-18

bat, ES-19, ES-20, 2-99, 2-101, 2-100, 3-113, 3-114, 3-115, 3-141, 4-154, 4-163, 4-189, 4-202, 4-203, 4-232, 5-39, 5-43, 5-53, 7-10, 7-23, 7-26

big game, 3-112, 3-113, 3-114, 3-116, 3-160, 3-161, 4-133, 4-140, 4-151, 4-153, 4-154, 4-159, 4-160, 4-161, 4-163, 4-165, 4-166, 4-167, 4-188, 4-200, 4-201, 5-40, 5-41, 5-56

bioaccumulate, ES-25, 2-98, 2-108, 3-12, 3-13, 3-130, 3-132, 4-173, 4-272

bioaccumulation, ES-19, 1-24, 2-98, 3-131, 3-132, 4-120, 4-125, 4-127, 4-141, 4-143, 4-

152, 4-153, 4-171, 4-172, 4-174, 4-272, 4-273, 5-43, 7-6

bird, ES-19, ES-20, ES-21, 1-9, 1-26, 2-36, 2-100, 2-101, 2-100, 3-112, 3-113, 3-115, 3-116, 3-117, 3-118, 3-140, 3-144, 3-145, 3-146, 3-147, 4-151, 4-155, 4-156, 4-157, 4-158, 4-161, 4-163, 4-164, 4-165, 4-167, 4-168, 4-171, 4-187, 4-191, 4-195, 4-204, 4-205, 4-206, 4-207, 4-209, 4-210, 4-212, 4-213, 4-214, 4-215, 4-216, 4-217, 4-218, 4-222, 4-228, 4-237, 5-36, 5-39, 5-41, 5-42, 5-43, 7-8, 7-11, 7-15, 7-16, 7-17, 7-18, 7-20, 7-21, 7-22, 7-24, 7-25, 7-29, 7-32, 7-36, 7-37, 7-40, 7-42, 7-50

bitterbrush, 3-101

Blackfoot River, ES-1, ES-6, ES-13, ES-14, ES-15, ES-16, ES-22, 1-1, 1-2, 1-13, 1-20, 1-22, 1-29, 2-7, 2-19, 2-24, 2-37, 2-38, 2-45, 2-74, 2-78, 2-79, 2-87, 2-89, 2-87, 2-89, 2-104, 3-28, 3-32, 3-39, 3-42, 3-44, 3-45, 3-46, 3-47, 3-49, 3-50, 3-51, 3-52, 3-53, 3-54, 3-55, 3-56, 3-57, 3-66, 3-69, 3-108, 3-110, 3-118, 3-119, 3-120, 3-123, 3-126, 3-127, 3-128, 3-129, 3-130, 3-132, 3-139, 3-150, 3-153, 3-154, 3-157, 3-158, 3-159, 3-160, 3-161, 3-162, 3-165, 3-167, 4-32, 4-33, 4-51, 4-55, 4-56, 4-57, 4-73, 4-74, 4-79, 4-80, 4-81, 4-82, 4-84, 4-85, 4-86, 4-87, 4-88, 4-108, 4-109, 4-110, 4-111, 4-132, 4-138, 4-147, 4-152, 4-158, 4-170, 4-171, 4-172, 4-173, 4-174, 4-178, 4-183, 4-189, 4-200, 4-202, 4-207, 4-210, 4-215, 4-216, 4-217, 4-219, 4-238, 4-239, 4-249, 4-250, 4-252, 4-253, 4-255, 4-261, 4-269, 4-270, 5-2, 5-8, 5-13, 5-17, 5-18, 5-21, 5-22, 5-23, 5-24, 5-26, 5-30, 5-35, 5-36, 5-44, 5-45, 5-46, 5-47, 5-53, 5-55, 5-56, 5-60, 5-62, 5-69, 7-9, 7-12, 7-13, 7-14, 7-18, 7-37

BLM, ES-1, ES-4, ES-7, ES-11, ES-19, ES-21, ES-23, 1-1, 1-2, 1-5, 1-6, 1-7, 1-15, 1-16, 1-17, 1-18, 1-19, 2-1, 2-2, 2-5, 2-6, 2-8, 2-21, 2-32, 2-33, 2-34, 2-35, 2-39, 2-40, 2-51, 2-74, 2-83, 2-98, 2-99, 2-102, 2-104, 6-1, 6-2, 6-3, 6-4, 6-8, 7-1, 7-2, 7-4, 7-5, 7-8, 7-10, 7-11, 7-12, 7-13, 7-15, 7-16, 7-19, 7-23, 7-25, 7-27, 7-28, 7-29, 7-32, 7-34, 7-36, 7-37, 7-45, 7-46

BMP, ES-4, ES-5, ES-12, ES-16, ES-18, ES-24, ES-25, 1-1, 1-11, 1-28, 2-2, 2-12, 2-20, 2-21, 2-22, 2-24, 2-25, 2-32, 2-33, 2-35, 2-37, 2-52, 2-59, 2-63, 2-91, 2-95, 2-95, 2-97, 2-98, 2-

107, 3-79, 3-97, 4-34, 4-43, 4-82, 4-89, 4-92, 4-109, 4-111, 4-112, 4-114, 4-116, 4-120, 4-124, 4-127, 4-132, 4-133, 4-134, 4-135, 4-136, 4-142, 4-143, 4-144, 4-149, 4-150, 4-158, 4-170, 4-171, 4-172, 4-174, 4-177, 4-179, 4-183, 4-191, 4-237, 4-238, 4-243, 4-246, 4-251, 4-270, 4-272, 4-273, 5-24, 5-26, 5-32, 5-35, 5-42, 5-46, 5-47, 5-51, 5-52, 5-69, 7-30, 7-37, 7-45

boreal owl, 3-117, 3-141, 4-203, 4-204, 4-232, 5-51, 5-53

C

cadmium, 3-12, 3-17, 3-19, 3-39, 3-40, 3-41, 3-42, 3-52, 3-53, 3-57, 3-61, 3-62, 3-80, 3-130, 3-131, 3-132, 3-133, 4-8, 4-14, 4-44, 4-53, 4-57, 4-59, 4-65, 4-66, 4-83, 4-84, 4-85, 4-86, 4-87, 4-96, 4-99, 4-107, 5-43

Canada lynx, ES-19, 2-99, 2-100, 2-99, 3-133, 3-134, 3-135, 4-184, 4-185, 4-219, 4-220, 5-48, 5-50, 5-52, 5-53, 7-14

Caribou County, ES-1, ES-24, 1-1, 1-13, 1-17, 2-1, 2-106, 3-25, 3-31, 3-87, 3-133, 3-134, 3-135, 3-149, 3-151, 3-152, 3-160, 3-165, 3-168, 3-169, 3-170, 3-171, 3-172, 3-173, 3-174, 3-175, 3-176, 3-177, 3-178, 3-179, 3-180, 3-181, 4-126, 4-142, 4-218, 4-219, 4-235, 4-251, 4-261, 4-262, 4-263, 4-264, 4-265, 4-266, 4-268, 5-2, 5-9, 5-10, 5-26, 5-56, 5-64, 5-67, 5-70, 6-1, 7-1, 7-2, 7-4, 7-6, 7-8, 7-9, 7-11, 7-13, 7-14, 7-17, 7-20, 7-23, 7-24, 7-25, 7-26, 7-31, 7-33, 7-35

CEA, 5-1, 5-2, 5-3, 5-5, 5-6, 5-7, 5-8, 5-9, 5-10, 5-11, 5-12, 5-13, 5-14, 5-15, 5-17, 5-18, 5-19, 5-21, 5-22, 5-23, 5-24, 5-25, 5-26, 5-27, 5-28, 5-29, 5-30, 5-31, 5-32, 5-33, 5-34, 5-35, 5-36, 5-37, 5-39, 5-40, 5-41, 5-42, 5-43, 5-44, 5-45, 5-46, 5-47, 5-48, 5-49, 5-50, 5-51, 5-52, 5-53, 5-54, 5-55, 5-56, 5-57, 5-59, 5-60, 5-61, 5-62, 5-64, 5-65, 5-67, 5-68, 5-69, 7-37, 7-47

conifer, 3-97, 3-98, 3-101, 3-111, 3-116, 3-117, 3-141, 3-142, 3-147, 3-152, 4-121, 4-126, 4-137, 4-141, 4-159, 4-165, 4-185, 4-186, 4-194, 4-197, 4-198, 4-220, 4-221, 4-227, 4-229, 4-230, 4-246, 5-27, 5-28, 5-31

COPC, ES-2, ES-5, ES-8, ES-9, ES-10, ES-11, ES-13, ES-14, ES-15, ES-16, ES-17, ES-18,

ES-19, ES-20, ES-25, 1-1, 1-22, 1-23, 1-24, 1-26, 1-27, 1-28, 1-29, 1-30, 1-32, 2-6, 2-17, 2-20, 2-21, 2-31, 2-32, 2-33, 2-35, 2-36, 2-37, 2-38, 2-60, 2-63, 2-69, 2-73, 2-89, 2-90, 2-91, 2-93, 2-95, 2-96, 2-98, 2-99, 2-102, 2-108, 3-130, 3-131, 3-132, 4-7, 4-8, 4-14, 4-25, 4-32, 4-33, 4-44, 4-45, 4-48, 4-51, 4-52, 4-55, 4-57, 4-59, 4-66, 4-71, 4-73, 4-77, 4-82, 4-83, 4-84, 4-85, 4-86, 4-87, 4-91, 4-95, 4-96, 4-97, 4-99, 4-107, 4-110, 4-111, 4-112, 4-113, 4-115, 4-120, 4-132, 4-133, 4-138, 4-144, 4-148, 4-149, 4-151, 4-152, 4-156, 4-158, 4-159, 4-162, 4-164, 4-165, 4-169, 4-170, 4-171, 4-173, 4-174, 4-176, 4-178, 4-179, 4-183, 4-184, 4-189, 4-200, 4-202, 4-203, 4-204, 4-205, 4-206, 4-207, 4-209, 4-210, 4-211, 4-212, 4-213, 4-214, 4-215, 4-216, 4-217, 4-218, 4-219, 4-224, 4-231, 4-232, 4-233, 4-234, 4-235, 4-237, 4-249, 4-251, 4-257, 4-258, 4-271, 4-272, 4-273, 5-2, 5-6, 5-12, 5-17, 5-18, 5-22, 5-23, 5-33, 5-34, 5-35, 5-43, 5-44, 5-46, 5-47, 5-48, 5-52, 5-53, 7-37, 7-49, 7-50

D

deer, 1-16, 3-113, 3-158, 3-160, 4-2, 4-117, 4-153, 4-154, 4-159, 4-160, 4-161, 4-163, 4-165, 4-166, 4-167, 4-207, 5-29, 5-39, 5-41, 7-7, 7-17, 7-18

Dinwoody Formation, 3-23, 3-65, 3-77, 3-81, 3-83, 4-14, 4-51, 4-56

DSAY, 2-34, 4-168, 4-169, 4-236, 4-237, 7-38

E

eagle, 1-9, 3-27, 3-116, 3-117, 3-168, 4-206, 4-207, 4-208, 4-232, 4-237, 7-26, 7-50

elk, 3-113, 3-114, 3-158, 3-160, 4-153, 4-154, 4-159, 4-160, 4-161, 4-163, 4-165, 4-166, 4-167, 5-39, 5-41, 5-42

employment, ES-24, 1-31, 2-70, 2-106, 3-168, 3-169, 3-170, 3-172, 3-175, 4-259, 4-260, 4-261, 4-264, 4-265, 4-268, 5-64, 5-67, 7-29

erosion, ES-5, ES-12, ES-16, ES-17, ES-18, ES-25, 1-23, 2-12, 2-17, 2-20, 2-22, 2-31, 2-32, 2-33, 2-36, 2-60, 2-63, 2-75, 2-92, 2-93, 2-97, 3-87, 3-88, 3-92, 3-93, 3-94, 3-95, 3-96, 3-119, 4-21, 4-22, 4-23, 4-27, 4-28, 4-29, 4-31,

4-79, 4-80, 4-82, 4-111, 4-112, 4-113, 4-114, 4-115, 4-116, 4-118, 4-120, 4-126, 4-127, 4-132, 4-133, 4-142, 4-144, 4-149, 4-150, 4-169, 4-172, 4-176, 4-177, 4-181, 4-182, 4-183, 4-237, 4-238, 4-272, 5-10, 5-18, 5-23, 5-24, 5-25, 5-26, 5-35, 5-45, 7-47, 7-48, 7-51

F

fisheries, ES-4, ES-18, ES-19, 1-26, 1-27, 2-20, 2-24, 2-36, 2-97, 3-118, 3-121, 3-132, 3-168, 4-128, 4-174, 4-175, 4-176, 4-178, 4-179, 4-180, 4-181, 4-257, 5-19, 5-44, 5-46, 5-48, 5-63, 6-4, 6-5, 6-6, 7-10, 7-13, 7-24, 7-34, 7-48

flammulated owl, 3-113, 3-117, 3-142, 4-204, 4-205, 4-232, 5-52, 5-53

fossil, ES-11, 1-21, 2-21, 2-83, 3-22, 3-23, 3-31, 4-5, 4-14, 4-15, 4-16, 4-19, 4-20, 5-2, 5-11, 7-27, 7-28, 7-41

G

game bird, 3-113, 3-115, 3-136, 4-155, 4-163, 5-39, 5-43, 5-56

geology, ES-10, ES-11, 1-21, 2-83, 3-1, 3-58, 3-154, 4-5, 4-175, 4-176, 4-180, 4-181, 5-1, 5-3, 5-8, 5-10, 5-17, 5-53, 6-4, 6-5, 6-7, 7-4, 7-21, 7-28, 7-47

GM, ES-2, ES-3, ES-4, ES-5, ES-6, ES-7, ES-8, ES-9, ES-11, ES-15, ES-16, ES-17, ES-21, 1-1, 1-5, 1-6, 1-8, 1-21, 1-23, 2-5, 2-7, 2-8, 2-11, 2-12, 2-17, 2-18, 2-19, 2-20, 2-21, 2-22, 2-25, 2-26, 2-27, 2-28, 2-31, 2-32, 2-33, 2-35, 2-37, 2-38, 2-40, 2-45, 2-46, 2-51, 2-52, 2-53, 2-54, 2-55, 2-59, 2-60, 2-63, 2-64, 2-65, 2-70, 2-75, 2-76, 2-77, 2-80, 2-88, 2-93, 2-102, 3-1, 3-87, 3-88, 3-93, 3-94, 3-95, 4-2, 4-6, 4-7, 4-15, 4-32, 4-34, 4-37, 4-38, 4-40, 4-43, 4-44, 4-47, 4-48, 4-52, 4-74, 4-80, 4-88, 4-90, 4-91, 4-92, 4-109, 4-110, 4-113, 4-116, 4-117, 4-118, 4-119, 4-124, 4-128, 4-132, 4-149, 4-245, 5-5, 5-29, 7-38, 7-48, 7-50

grazing, ES-3, ES-21, ES-22, 1-5, 1-6, 1-17, 1-28, 1-29, 1-30, 2-21, 2-28, 2-33, 2-36, 2-40, 2-74, 2-80, 2-103, 3-32, 3-102, 3-109, 3-119, 3-153, 3-157, 3-158, 3-159, 4-126, 4-131, 4-141, 4-166, 4-175, 4-180, 4-201, 4-220, 4-249, 4-250, 4-251, 4-252, 4-254, 4-255, 4-256, 4-257, 4-258, 4-260, 4-261, 4-267, 5-1,

5-9, 5-17, 5-18, 5-22, 5-24, 5-25, 5-27, 5-28, 5-29, 5-30, 5-31, 5-32, 5-33, 5-34, 5-39, 5-40, 5-42, 5-44, 5-45, 5-46, 5-48, 5-49, 5-50, 5-51, 5-56, 5-59, 5-62, 7-7, 7-8, 7-17, 7-27, 7-45

groundwater, ES-2, ES-4, ES-5, ES-10, ES-11, ES-13, ES-14, ES-15, ES-16, 1-1, 1-11, 1-12, 1-22, 2-6, 2-7, 2-8, 2-17, 2-18, 2-20, 2-21, 2-24, 2-35, 2-36, 2-38, 2-45, 2-51, 2-69, 2-73, 2-75, 2-76, 2-77, 2-79, 2-86, 2-88, 2-89, 2-90, 2-89, 2-90, 2-91, 2-92, 3-15, 3-17, 3-44, 3-45, 3-58, 3-59, 3-65, 3-66, 3-67, 3-72, 3-74, 3-76, 3-77, 3-78, 3-79, 3-80, 3-81, 3-82, 3-83, 3-84, 3-85, 3-86, 3-87, 3-104, 3-109, 3-110, 3-148, 4-6, 4-7, 4-9, 4-25, 4-32, 4-33, 4-34, 4-37, 4-38, 4-39, 4-40, 4-41, 4-44, 4-45, 4-48, 4-51, 4-52, 4-55, 4-56, 4-57, 4-59, 4-61, 4-65, 4-66, 4-71, 4-80, 4-81, 4-82, 4-83, 4-84, 4-85, 4-86, 4-87, 4-88, 4-89, 4-90, 4-91, 4-92, 4-93, 4-95, 4-96, 4-97, 4-99, 4-107, 4-110, 4-111, 4-112, 4-133, 4-147, 4-150, 4-152, 4-171, 4-172, 4-178, 4-238, 4-251, 4-254, 4-256, 4-257, 4-258, 4-272, 4-273, 5-12, 5-17, 5-18, 5-22, 5-23, 5-42, 5-43, 5-45, 5-46, 5-52, 5-63, 6-6, 7-1, 7-2, 7-4, 7-5, 7-8, 7-12, 7-18, 7-22, 7-26, 7-35, 7-45, 7-47, 7-48, 7-50, 7-52

H

habitat, ES-3, ES-5, ES-9, ES-17, ES-18, ES-19, ES-20, ES-21, ES-22, ES-23, 1-8, 1-24, 1-25, 1-26, 1-27, 2-24, 2-28, 2-33, 2-34, 2-37, 2-38, 2-59, 2-80, 2-96, 2-97, 2-98, 2-99, 2-100, 2-101, 2-99, 2-100, 3-39, 3-42, 3-46, 3-49, 3-50, 3-87, 3-97, 3-101, 3-104, 3-107, 3-108, 3-109, 3-110, 3-111, 3-112, 3-113, 3-114, 3-116, 3-117, 3-118, 3-119, 3-120, 3-123, 3-124, 3-125, 3-127, 3-129, 3-130, 3-131, 3-134, 3-135, 3-136, 3-137, 3-139, 3-140, 3-141, 3-142, 3-143, 3-144, 3-145, 3-146, 3-147, 3-148, 3-149, 3-150, 3-151, 3-153, 4-120, 4-121, 4-123, 4-125, 4-126, 4-127, 4-131, 4-132, 4-133, 4-134, 4-137, 4-138, 4-140, 4-142, 4-144, 4-147, 4-148, 4-150, 4-151, 4-152, 4-153, 4-154, 4-155, 4-156, 4-157, 4-158, 4-159, 4-160, 4-161, 4-162, 4-163, 4-164, 4-165, 4-166, 4-167, 4-166, 4-167, 4-168, 4-169, 4-170, 4-172, 4-173, 4-174, 4-175, 4-174, 4-175, 4-176, 4-177, 4-178, 4-179, 4-180, 4-181, 4-182, 4-183, 4-184, 4-185, 4-186, 4-187, 4-188, 4-189, 4-190, 4-191, 4-192, 4-193, 4-194, 4-192, 4-194, 4-195, 4-196, 4-196, 4-197, 4-198, 4-199, 4-200, 4-201, 4-202, 4-203, 4-204, 4-

205, 4-206, 4-207, 4-208, 4-209, 4-210, 4-211, 4-212, 4-213, 4-214, 4-215, 4-216, 4-217, 4-218, 4-219, 4-220, 4-221, 4-222, 4-223, 4-224, 4-225, 4-226, 4-225, 4-227, 4-228, 4-229, 4-230, 4-231, 4-232, 4-233, 4-234, 4-235, 4-236, 4-237, 4-251, 4-253, 4-254, 4-257, 4-258, 5-31, 5-32, 5-34, 5-36, 5-39, 5-40, 5-41, 5-42, 5-43, 5-44, 5-45, 5-46, 5-47, 5-48, 5-49, 5-50, 5-51, 5-52, 5-53, 5-55, 5-56, 5-62, 5-63, 5-64, 7-2, 7-3, 7-6, 7-7, 7-8, 7-9, 7-10, 7-14, 7-15, 7-16, 7-20, 7-21, 7-25, 7-26, 7-33, 7-34, 7-37, 7-38, 7-39, 7-41, 7-42, 7-46, 7-48, 7-49

haul road, ES-1, ES-2, ES-3, ES-6, ES-7, ES-9, ES-12, ES-14, ES-18, 1-1, 1-2, 1-6, 1-12, 1-13, 1-16, 1-21, 2-5, 2-7, 2-8, 2-11, 2-12, 2-17, 2-18, 2-19, 2-22, 2-23, 2-24, 2-25, 2-26, 2-27, 2-28, 2-31, 2-32, 2-36, 2-37, 2-38, 2-40, 2-45, 2-46, 2-51, 2-52, 2-53, 2-55, 2-56, 2-59, 2-60, 2-63, 2-70, 2-73, 2-74, 2-78, 2-80, 2-81, 2-83, 2-84, 2-88, 2-96, 2-99, 3-1, 3-157, 3-158, 3-159, 3-166, 4-2, 4-5, 4-6, 4-7, 4-15, 4-20, 4-21, 4-22, 4-32, 4-38, 4-40, 4-43, 4-74, 4-80, 4-82, 4-91, 4-92, 4-108, 4-109, 4-112, 4-116, 4-131, 4-132, 4-143, 4-150, 4-153, 4-162, 4-163, 4-164, 4-171, 4-173, 4-174, 4-176, 4-177, 4-178, 4-179, 4-181, 4-182, 4-183, 4-187, 4-188, 4-191, 4-200, 4-202, 4-211, 4-218, 4-237, 4-239, 4-240, 4-245, 4-249, 4-250, 4-253, 4-254, 4-269, 4-270, 4-272, 5-13, 5-41, 5-52, 7-39, 7-48, 7-50, 7-51

HEA, ES-18, 2-33, 2-34, 3-97, 3-98, 4-123, 4-138, 4-148, 4-152, 4-162, 4-165, 4-168, 4-236, 5-43, 5-44, 5-53, 7-2, 7-39

housing, ES-24, 2-106, 3-27, 3-157, 3-168, 3-176, 4-260, 4-262, 4-265, 5-32, 5-40, 5-49, 5-64, 5-67

I

income, ES-24, 1-31, 1-32, 2-106, 3-170, 3-173, 3-175, 3-179, 3-180, 3-181, 4-259, 4-261, 4-263, 4-265, 4-266, 4-267, 4-268, 5-67, 5-68, 7-5, 7-29

K

K_{sat} , 2-64, 4-46, 4-47, 4-48, 7-15, 7-39

L

Lanes Creek, ES-2, ES-6, ES-14, 1-2, 1-22, 2-7,

2-19, 2-45, 2-78, 2-87, 3-2, 3-32, 3-42, 3-46, 3-49, 3-50, 3-53, 3-57, 3-118, 3-119, 3-123, 3-126, 3-127, 3-128, 3-154, 3-158, 3-159, 3-161, 3-162, 3-165, 3-167, 4-32, 4-33, 4-34, 4-73, 4-74, 4-79, 4-81, 4-108, 4-109, 4-110, 4-132, 4-170, 4-178, 4-239, 5-5, 5-9, 5-11, 5-13, 5-14, 5-17, 5-18, 5-21, 5-22, 5-23, 5-26, 5-44, 5-55, 5-56, 5-59, 5-61

lek, 1-27, 3-113, 3-114, 3-116, 3-136, 3-139, 3-144, 4-183, 4-190, 4-191, 4-193, 4-194, 4-192, 4-195, 4-196, 4-196, 4-197, 4-199, 4-211, 4-212, 4-225, 4-226, 4-225, 4-228, 4-229, 4-230, 7-14

M

macroinvertebrate, ES-18, ES-19, 1-27, 2-98, 3-118, 3-126, 3-127, 3-128, 3-130, 3-131, 3-132, 4-169, 4-170, 4-171, 4-178, 4-183, 5-44, 5-45, 5-47, 5-48, 7-3, 7-9, 7-42

manganese, 3-12, 3-15, 3-17, 3-19, 3-40, 3-80, 3-81, 3-83, 3-84, 3-87, 4-8, 4-11, 4-14, 4-44, 4-54, 4-57, 4-59, 4-65, 4-66, 4-68, 4-69, 4-75, 4-83, 4-85, 4-86, 4-87, 4-92, 4-95, 4-96, 4-97, 4-99, 4-103, 4-105, 4-107, 4-111, 4-173, 4-174, 5-43, 5-47, 5-52, 7-3, 7-15, 7-24

map, 1-2, 1-16, 1-21, 2-5, 2-9, 2-39, 2-49, 2-83, 3-3, 3-39, 3-40, 3-66, 3-74, 3-75, 3-88, 3-91, 3-92, 3-93, 3-94, 3-95, 3-140, 4-2, 4-6, 4-7, 4-15, 4-49, 4-67, 4-68, 4-69, 4-75, 4-103, 4-114, 4-116, 4-118, 4-193, 4-193, 4-225, 7-13, 7-20, 7-23, 7-31, 7-32, 7-33

Meade Peak, ES-2, ES-3, ES-4, ES-5, 2-1, 2-6, 2-7, 2-11, 2-12, 2-17, 2-19, 2-20, 2-21, 2-28, 2-31, 2-32, 2-36, 2-52, 2-60, 2-63, 2-64, 2-73, 2-76, 2-77, 2-83, 3-1, 3-2, 3-12, 3-15, 3-17, 3-23, 3-58, 3-69, 3-72, 3-77, 3-98, 4-10, 4-14, 4-16, 4-34, 4-38, 4-40, 4-42, 4-44, 4-51, 4-56, 4-88, 4-89, 4-91, 4-112, 4-124, 4-148, 4-149, 4-183, 4-272, 5-8, 5-29, 5-34, 7-9, 7-21, 7-49, 7-50

mineral, ES-1, ES-9, ES-10, ES-11, ES-24, 1-1, 1-5, 1-6, 1-7, 1-8, 1-16, 1-19, 1-21, 2-2, 2-5, 2-38, 2-39, 2-40, 2-83, 2-106, 3-2, 3-12, 3-13, 3-15, 3-17, 3-66, 3-87, 3-153, 3-157, 3-158, 3-168, 3-179, 4-5, 4-8, 4-11, 4-16, 4-19, 4-117, 4-125, 4-127, 4-140, 4-141, 4-142, 4-160, 4-166, 4-174, 4-175, 4-176, 4-179, 4-180, 4-181, 4-192, 4-201, 4-208, 4-225, 4-

237, 4-249, 4-263, 4-269, 5-1, 5-2, 5-3, 5-6, 5-7, 5-8, 5-10, 5-25, 5-53, 5-59, 5-68, 6-4, 7-7, 7-18, 7-21, 7-23, 7-28, 7-33, 7-40, 7-47, 7-48, 7-49, 7-50

Mining, 7-12

mitigation, ES-11, ES-18, 1-8, 1-9, 2-2, 2-33, 2-34, 2-35, 2-37, 2-84, 2-83, 3-158, 4-1, 4-19, 4-32, 4-45, 4-111, 4-120, 4-123, 4-127, 4-131, 4-133, 4-142, 4-148, 4-149, 4-150, 4-155, 4-157, 4-159, 4-164, 4-165, 4-168, 4-169, 4-182, 4-183, 4-188, 4-192, 4-195, 4-196, 4-203, 4-220, 4-221, 4-222, 4-223, 4-225, 4-227, 4-228, 4-236, 4-237, 4-246, 4-254, 4-255, 4-256, 4-259, 4-267, 4-269, 4-271, 4-273, 5-30, 5-32, 5-33, 5-44, 5-46, 5-53, 5-54, 5-60, 5-63, 7-17, 7-49

monitor, ES-15, 2-35, 3-25, 3-26, 3-46, 3-49, 3-50, 3-73, 3-74, 3-85, 3-111, 3-134, 4-11, 4-19, 4-112, 4-125, 4-127, 4-133, 4-135, 4-136, 4-141, 4-142, 4-150, 4-157, 4-183, 4-188, 4-192, 4-193, 4-193, 4-223, 4-225, 4-226, 4-225, 4-238, 5-43, 5-45, 5-47, 7-50

monitoring, ES-2, 15, 1-15, 2-2, 2-7, 2-8, 2-20, 2-22, 2-35, 2-40, 2-51, 2-75, 2-79, 2-92, 3-25, 3-37, 3-39, 3-44, 3-45, 3-46, 3-49, 3-50, 3-51, 3-52, 3-53, 3-54, 3-55, 3-56, 3-57, 3-58, 3-61, 3-62, 3-63, 3-64, 3-66, 3-67, 3-69, 3-73, 3-74, 3-75, 3-77, 3-78, 3-81, 3-83, 3-84, 3-85, 3-86, 3-115, 3-118, 3-123, 3-141, 4-1, 4-7, 4-15, 4-38, 4-39, 4-40, 4-41, 4-51, 4-56, 4-57, 4-59, 4-61, 4-81, 4-82, 4-83, 4-84, 4-85, 4-86, 4-97, 4-99, 4-112, 4-120, 4-121, 4-125, 4-127, 4-133, 4-134, 4-137, 4-141, 4-142, 4-150, 4-151, 4-183, 4-197, 4-202, 4-207, 4-229, 4-238, 4-252, 4-261, 4-270, 5-10, 5-26, 5-34, 5-35, 5-42, 5-51, 5-63, 7-1, 7-12, 7-13, 7-16, 7-17, 7-20, 7-26, 7-32, 7-38, 7-50

N

NEPA, 1-1, 1-17, 1-19, 2-1, 2-35, 2-37, 4-194, 4-226, 6-4, 7-4, 7-7, 7-28, 7-40, 7-43, 7-50, 7-51

No Action Alternative, ES-5, ES-9, ES-11, ES-12, ES-13, ES-16, ES-17, ES-18, ES-19, ES-20, ES-21, ES-22, ES-23, ES-24, ES-25, 2-1, 2-69, 2-83, 2-84, 2-85, 2-86, 2-87, 2-89, 2-91, 2-92, 2-94, 2-95, 2-96, 2-97, 2-98, 2-99, 2-102, 2-103, 2-104, 2-105, 2-106, 2-107, 2-

108, 4-1, 4-16, 4-19, 4-31, 4-110, 4-119, 4-147, 4-167, 4-182, 4-236, 4-246, 4-254, 4-256, 4-258, 4-260, 4-261, 4-262, 4-264, 4-265, 4-266, 4-267, 4-268, 4-271, 4-273, 5-8, 5-14, 5-17, 5-24, 5-26, 5-35, 5-44, 5-48, 5-53, 5-56, 5-60, 5-61, 5-64, 5-67, 5-68, 5-70

noise, ES-12, ES-13, ES-20, 1-19, 1-21, 1-22, 1-25, 1-26, 1-27, 2-23, 2-80, 2-84, 2-85, 2-86, 2-85, 2-101, 3-26, 3-27, 4-20, 4-21, 4-26, 4-27, 4-28, 4-31, 4-32, 4-150, 4-151, 4-154, 4-155, 4-156, 4-157, 4-158, 4-160, 4-161, 4-163, 4-164, 4-166, 4-167, 4-168, 4-183, 4-184, 4-188, 4-195, 4-200, 4-203, 4-204, 4-205, 4-207, 4-208, 4-209, 4-210, 4-211, 4-212, 4-213, 4-214, 4-215, 4-216, 4-217, 4-219, 4-224, 4-228, 4-231, 4-237, 4-250, 4-253, 4-262, 5-13, 5-14, 5-15, 5-41, 5-51, 5-52, 5-56, 6-6, 7-3, 7-8, 7-10, 7-11, 7-16, 7-17, 7-21, 7-24, 7-26, 7-30, 7-40

North American wolverine, ES-19, 2-99, 3-133, 3-135, 4-184, 4-188, 4-189, 4-190, 4-201, 4-223, 4-224, 7-32

noxious weed, 2-35, 2-95, 3-111, 3-159, 4-121, 4-127, 4-134, 4-135, 4-136, 4-142, 4-147, 4-150, 4-159, 4-165, 4-191, 4-197, 4-198, 4-229, 4-230, 5-31, 5-32, 5-33, 5-34, 5-35, 5-42, 5-51, 7-25, 7-50

O

ore, ES-1, ES-2, ES-3, ES-4, ES-6, ES-7, ES-8, ES-9, ES-10, ES-11, ES-12, 1-1, 1-5, 1-6, 1-13, 1-17, 2-1, 2-2, 2-5, 2-7, 2-8, 2-11, 2-17, 2-18, 2-19, 2-23, 2-24, 2-36, 2-37, 2-39, 2-40, 2-45, 2-46, 2-52, 2-56, 2-59, 2-69, 2-70, 2-80, 2-89, 3-1, 3-2, 3-12, 3-14, 3-15, 3-17, 3-19, 3-77, 3-159, 4-7, 4-8, 4-9, 4-10, 4-16, 4-17, 4-19, 4-21, 4-27, 4-40, 4-41, 4-42, 4-52, 4-53, 4-57, 4-80, 4-88, 4-91, 4-109, 4-239, 4-249, 4-252, 4-254, 4-263, 4-264, 4-265, 4-266, 4-267, 5-2, 5-5, 5-8, 5-9, 5-62, 5-64, 5-67, 7-40, 7-43, 7-45, 7-47, 7-48, 7-50, 7-52

overburden, ES-1, ES-2, ES-3, ES-4, ES-5, ES-6, ES-7, ES-8, ES-9, ES-10, ES-11, ES-12, ES-14, ES-15, ES-16, ES-18, ES-21, ES-25, 1-1, 1-11, 1-12, 1-21, 2-2, 2-5, 2-6, 2-7, 2-8, 2-11, 2-12, 2-17, 2-19, 2-20, 2-21, 2-22, 2-24, 2-25, 2-26, 2-27, 2-28, 2-31, 2-35, 2-36, 2-37, 2-38, 2-39, 2-45, 2-46, 2-51, 2-52, 2-53, 2-54, 2-56, 2-59, 2-60, 2-63, 2-64, 2-69, 2-70, 2-73, 2-74,

2-75, 2-76, 2-83, 2-84, 2-86, 2-88, 2-89, 2-91, 2-93, 2-96, 2-102, 3-1, 3-12, 3-13, 3-14, 3-15, 3-17, 3-21, 3-50, 3-69, 3-77, 3-78, 3-130, 4-2, 4-6, 4-7, 4-8, 4-9, 4-10, 4-11, 4-14, 4-15, 4-16, 4-17, 4-19, 4-20, 4-21, 4-27, 4-31, 4-34, 4-37, 4-38, 4-39, 4-40, 4-41, 4-42, 4-43, 4-45, 4-46, 4-47, 4-52, 4-53, 4-55, 4-56, 4-57, 4-73, 4-74, 4-80, 4-82, 4-85, 4-87, 4-88, 4-89, 4-90, 4-91, 4-92, 4-95, 4-97, 4-107, 4-108, 4-109, 4-110, 4-111, 4-112, 4-116, 4-128, 4-132, 4-134, 4-138, 4-143, 4-147, 4-148, 4-149, 4-150, 4-152, 4-159, 4-162, 4-164, 4-165, 4-170, 4-171, 4-172, 4-176, 4-178, 4-181, 4-183, 4-204, 4-205, 4-206, 4-209, 4-211, 4-214, 4-224, 4-231, 4-232, 4-233, 4-234, 4-235, 4-238, 4-239, 4-240, 4-243, 4-245, 4-246, 4-249, 4-272, 4-273, 5-5, 5-8, 5-17, 5-18, 5-22, 5-23, 5-29, 5-34, 5-42, 5-43, 5-47, 5-51, 5-52, 5-53, 5-55, 5-56, 5-59, 5-69, 7-1, 7-3, 7-13, 7-20, 7-26, 7-35, 7-48, 7-49, 7-50

overfill, ES-2, ES-7, ES-8, ES-9, ES-11, ES-15, 1-1, 2-7, 2-8, 2-17, 2-21, 2-27, 2-28, 2-31, 2-33, 2-39, 2-46, 2-51, 2-52, 2-53, 2-54, 2-86, 2-89, 3-1, 3-78, 4-7, 4-15, 4-33, 4-34, 4-52, 4-66, 4-74, 4-80, 4-87, 4-88, 4-89, 4-95, 4-96, 4-110, 4-112, 4-118, 4-119, 4-140, 7-50

P

paleontology, ES-10, ES-11, 1-21, 2-83, 2-84, 2-83, 3-22, 4-5, 4-14, 4-15, 4-16, 4-20, 5-1, 5-3, 5-8, 5-10, 5-53, 6-7

phosphate, ES-1, ES-2, ES-3, ES-4, ES-5, ES-7, ES-10, ES-19, ES-20, ES-21, 1-1, 1-5, 1-6, 1-7, 1-15, 1-16, 1-17, 1-24, 1-31, 2-1, 2-2, 2-6, 2-7, 2-11, 2-18, 2-21, 2-24, 2-37, 2-39, 2-40, 2-45, 2-69, 2-99, 3-1, 3-2, 3-12, 3-13, 3-17, 3-21, 3-23, 3-25, 3-27, 3-32, 3-50, 3-52, 3-55, 3-58, 3-65, 3-66, 3-74, 3-157, 3-158, 3-159, 3-162, 3-165, 3-166, 3-168, 3-169, 3-175, 3-179, 4-2, 4-8, 4-9, 4-11, 4-16, 4-19, 4-27, 4-31, 4-110, 4-117, 4-120, 4-124, 4-132, 4-133, 4-147, 4-151, 4-156, 4-167, 4-182, 4-185, 4-220, 4-224, 4-236, 4-238, 4-249, 4-259, 4-260, 4-262, 4-263, 4-264, 4-265, 4-266, 4-267, 4-272, 4-273, 5-1, 5-2, 5-5, 5-6, 5-7, 5-8, 5-9, 5-10, 5-11, 5-12, 5-13, 5-14, 5-17, 5-18, 5-21, 5-22, 5-24, 5-26, 5-29, 5-32, 5-33, 5-34, 5-39, 5-40, 5-42, 5-44, 5-45, 5-46, 5-49, 5-50, 5-51, 5-52, 5-54, 5-55, 5-59, 5-61, 5-62, 5-64, 5-67, 5-68, 5-69, 5-70, 6-1, 7-1, 7-2, 7-3, 7-4, 7-5, 7-6, 7-8, 7-10, 7-12, 7-13, 7-16, 7-19, 7-

20, 7-21, 7-22, 7-24, 7-26, 7-28, 7-33, 7-34, 7-35, 7-36, 7-37, 7-39, 7-49

Phosphoria Formation, ES-2, ES-11, 2-1, 3-1, 3-2, 3-14, 3-23, 3-58, 3-98, 4-14, 4-16, 4-51, 5-8, 7-9, 7-11, 7-17, 7-19, 7-21, 7-22, 7-25, 7-49

preferred alternative, ES-9, 2-1, 2-34, 2-69, 2-70, 4-1, 7-46

Proposed Action, ES-1, ES-2, ES-4, ES-5, ES-6, ES-7, ES-9, ES-10, ES-11, ES-12, ES-13, ES-14, ES-15, ES-16, ES-17, ES-18, ES-19, ES-20, ES-21, ES-22, ES-23, ES-24, ES-25, 1-1, 1-5, 1-6, 1-15, 1-17, 1-30, 2-1, 2-2, 2-5, 2-7, 2-8, 2-9, 2-11, 2-13, 2-18, 2-19, 2-20, 2-21, 2-23, 2-24, 2-25, 2-26, 2-29, 2-31, 2-32, 2-34, 2-35, 2-36, 2-37, 2-38, 2-39, 2-40, 2-45, 2-46, 2-51, 2-52, 2-54, 2-55, 2-59, 2-60, 2-63, 2-64, 2-65, 2-69, 2-70, 2-71, 2-73, 2-74, 2-75, 2-78, 2-80, 2-81, 2-83, 2-84, 2-84, 2-85, 2-86, 2-85, 2-86, 2-87, 2-88, 2-87, 2-88, 2-89, 2-90, 2-91, 2-92, 2-93, 2-94, 2-92, 2-93, 2-94, 2-95, 2-96, 2-97, 2-98, 2-99, 2-100, 2-101, 2-102, 2-99, 2-100, 2-101, 2-102, 2-103, 2-102, 2-103, 2-104, 2-105, 2-104, 2-105, 2-106, 2-105, 2-106, 2-107, 2-106, 2-107, 2-108, 2-108, 3-1, 3-14, 3-24, 3-32, 3-45, 3-74, 3-158, 3-159, 3-160, 3-161, 3-162, 3-166, 3-168, 3-179, 3-180, 4-1, 4-2, 4-3, 4-5, 4-7, 4-9, 4-10, 4-14, 4-15, 4-16, 4-17, 4-19, 4-21, 4-22, 4-23, 4-25, 4-26, 4-27, 4-28, 4-31, 4-32, 4-33, 4-35, 4-37, 4-38, 4-39, 4-41, 4-42, 4-43, 4-44, 4-45, 4-46, 4-47, 4-48, 4-51, 4-52, 4-53, 4-55, 4-56, 4-57, 4-59, 4-61, 4-63, 4-65, 4-66, 4-67, 4-68, 4-69, 4-73, 4-74, 4-75, 4-79, 4-80, 4-81, 4-82, 4-83, 4-84, 4-85, 4-86, 4-87, 4-88, 4-89, 4-91, 4-92, 4-95, 4-96, 4-97, 4-108, 4-109, 4-110, 4-111, 4-112, 4-113, 4-114, 4-116, 4-117, 4-118, 4-119, 4-120, 4-121, 4-123, 4-124, 4-125, 4-126, 4-127, 4-128, 4-129, 4-131, 4-132, 4-133, 4-134, 4-135, 4-136, 4-137, 4-138, 4-140, 4-141, 4-143, 4-144, 4-147, 4-148, 4-149, 4-150, 4-151, 4-152, 4-153, 4-154, 4-155, 4-157, 4-158, 4-159, 4-160, 4-161, 4-162, 4-163, 4-164, 4-165, 4-168, 4-169, 4-170, 4-171, 4-172, 4-173, 4-174, 4-175, 4-176, 4-177, 4-178, 4-179, 4-182, 4-183, 4-184, 4-185, 4-186, 4-187, 4-188, 4-189, 4-190, 4-191, 4-192, 4-194, 4-195, 4-196, 4-197, 4-198, 4-199, 4-200, 4-201, 4-202, 4-203, 4-204, 4-205, 4-206, 4-207, 4-208, 4-209, 4-210, 4-211, 4-212, 4-213, 4-

214, 4-215, 4-216, 4-217, 4-218, 4-219, 4-223, 4-224, 4-227, 4-230, 4-231, 4-232, 4-233, 4-234, 4-235, 4-236, 4-237, 4-238, 4-239, 4-240, 4-241, 4-243, 4-244, 4-245, 4-246, 4-250, 4-251, 4-252, 4-253, 4-254, 4-255, 4-256, 4-258, 4-260, 4-261, 4-262, 4-263, 4-264, 4-265, 4-266, 4-267, 4-268, 4-269, 4-270, 4-271, 4-272, 4-273, 5-1, 5-2, 5-6, 5-7, 5-8, 5-9, 5-10, 5-11, 5-12, 5-13, 5-14, 5-17, 5-22, 5-23, 5-24, 5-26, 5-27, 5-33, 5-34, 5-35, 5-36, 5-40, 5-41, 5-43, 5-44, 5-46, 5-47, 5-48, 5-50, 5-51, 5-52, 5-53, 5-54, 5-55, 5-56, 5-59, 5-60, 5-61, 5-62, 5-63, 5-64, 5-67, 5-68, 5-69, 5-70, 6-1, 6-3, 7-2, 7-42, 7-45, 7-46, 7-47, 7-50, 7-51

R

raptor, ES-19, ES-20, 2-99, 2-101, 2-100, 3-113, 3-115, 3-116, 3-117, 4-151, 4-155, 4-157, 4-162, 4-164, 4-168, 4-191, 4-196, 4-204, 4-205, 4-206, 4-207, 4-208, 4-209, 4-210, 4-211, 4-213, 4-228, 4-237, 5-39, 5-41, 5-49, 5-52, 7-16, 7-18, 7-23, 7-42, 7-50

RCA, ES-5, ES-6, ES-7, ES-8, ES-9, ES-11, ES-12, ES-13, ES-14, ES-15, ES-16, ES-17, ES-18, ES-19, ES-20, ES-21, ES-22, ES-23, ES-24, ES-25, 1-7, 2-1, 2-34, 2-36, 2-37, 2-38, 2-39, 2-40, 2-41, 2-43, 2-45, 2-46, 2-49, 2-51, 2-52, 2-54, 2-55, 2-56, 2-57, 2-59, 2-60, 2-61, 2-63, 2-64, 2-65, 2-67, 2-69, 2-70, 2-73, 2-74, 2-75, 2-76, 2-80, 2-81, 2-83, 2-84, 2-83, 2-84, 2-85, 2-85, 2-86, 2-87, 2-88, 2-89, 2-90, 2-91, 2-91, 2-92, 2-93, 2-94, 2-95, 2-96, 2-97, 2-98, 2-99, 2-100, 2-101, 2-102, 2-103, 2-103, 2-104, 2-105, 2-106, 2-107, 2-108, 2-108, 3-74, 3-135, 4-1, 4-2, 4-3, 4-15, 4-16, 4-17, 4-19, 4-20, 4-25, 4-27, 4-28, 4-29, 4-31, 4-32, 4-44, 4-45, 4-46, 4-47, 4-48, 4-51, 4-52, 4-56, 4-73, 4-74, 4-87, 4-88, 4-89, 4-90, 4-91, 4-92, 4-95, 4-96, 4-97, 4-99, 4-103, 4-104, 4-105, 4-107, 4-108, 4-109, 4-110, 4-111, 4-112, 4-114, 4-117, 4-118, 4-119, 4-120, 4-137, 4-138, 4-140, 4-141, 4-142, 4-143, 4-144, 4-145, 4-147, 4-148, 4-149, 4-152, 4-161, 4-162, 4-163, 4-164, 4-165, 4-166, 4-167, 4-168, 4-177, 4-178, 4-179, 4-180, 4-181, 4-182, 4-183, 4-219, 4-220, 4-221, 4-222, 4-223, 4-224, 4-225, 4-227, 4-228, 4-229, 4-230, 4-231, 4-232, 4-233, 4-234, 4-235, 4-236, 4-237, 4-238, 4-244, 4-245, 4-246, 4-247, 4-254, 4-255, 4-256, 4-258, 4-263, 4-267, 4-268, 4-269, 4-270, 4-272, 4-273, 5-1, 5-2, 5-

6, 5-7, 5-8, 5-9, 5-10, 5-11, 5-12, 5-13, 5-14, 5-17, 5-22, 5-23, 5-24, 5-26, 5-27, 5-33, 5-34, 5-35, 5-36, 5-40, 5-41, 5-42, 5-43, 5-47, 5-48, 5-50, 5-51, 5-52, 5-53, 5-54, 5-55, 5-56, 5-59, 5-60, 5-61, 5-62, 5-63, 5-64, 5-67, 5-68, 5-69, 5-70, 7-2, 7-5, 7-20, 7-42

regulation, 1-5, 1-6, 1-10, 1-16, 1-17, 2-1, 2-21, 2-23, 2-24, 2-32, 2-35, 2-55, 2-69, 2-70, 3-25, 3-27, 3-158, 3-161, 3-167, 4-22, 4-27, 4-112, 4-150, 4-249, 4-255, 4-257, 4-269, 4-270, 4-271, 4-273, 5-1, 5-10, 5-63, 5-69, 5-70, 6-3, 7-7, 7-37, 7-46, 7-50

reptile, ES-18, ES-19, ES-20, ES-21, 2-99, 2-100, 2-101, 2-100, 3-118, 3-123, 3-124, 3-125, 3-130, 3-148, 4-173, 4-174, 4-179, 4-218, 4-235, 4-237, 5-41, 5-42, 5-46, 5-47, 5-48, 5-51

revegetation, ES-5, ES-6, ES-8, 2-19, 2-33, 2-46, 2-54, 2-63, 2-65, 2-75, 2-106, 4-31, 4-32, 4-124, 4-127, 4-127, 4-142, 4-243, 4-245, 5-22, 5-33, 5-34, 5-43, 5-55

riparian, ES-9, ES-17, ES-18, ES-19, ES-20, 1-24, 1-25, 2-21, 2-36, 2-59, 2-78, 2-94, 2-96, 2-99, 2-101, 2-100, 3-102, 3-112, 3-114, 3-117, 3-118, 3-120, 3-125, 3-139, 3-141, 3-143, 3-144, 3-145, 3-146, 3-159, 4-121, 4-127, 4-127, 4-128, 4-132, 4-133, 4-134, 4-137, 4-142, 4-143, 4-144, 4-147, 4-150, 4-152, 4-155, 4-158, 4-159, 4-162, 4-163, 4-164, 4-165, 4-168, 4-170, 4-173, 4-174, 4-175, 4-176, 4-177, 4-179, 4-180, 4-181, 4-182, 4-187, 4-195, 4-199, 4-202, 4-207, 4-209, 4-211, 4-212, 4-214, 4-215, 4-216, 4-217, 4-218, 4-219, 4-222, 4-227, 4-231, 4-232, 4-233, 4-234, 4-235, 4-236, 4-237, 5-18, 5-19, 5-26, 5-27, 5-28, 5-29, 5-35, 5-36, 5-39, 5-41, 5-43, 5-44, 5-45, 5-46, 5-50, 5-51, 5-52, 6-6, 7-7, 7-23, 7-42, 7-49, 7-51

runoff, ES-2, ES-4, ES-5, ES-13, ES-14, ES-15, ES-16, ES-18, ES-25, 1-22, 2-6, 2-12, 2-17, 2-20, 2-21, 2-22, 2-25, 2-26, 2-27, 2-28, 2-31, 2-35, 2-53, 2-55, 2-60, 2-64, 2-75, 2-87, 2-91, 2-92, 2-97, 3-13, 3-44, 3-46, 3-50, 3-52, 3-95, 4-7, 4-25, 4-32, 4-34, 4-37, 4-38, 4-39, 4-40, 4-41, 4-42, 4-43, 4-44, 4-45, 4-47, 4-57, 4-73, 4-74, 4-79, 4-80, 4-81, 4-82, 4-87, 4-88, 4-89, 4-90, 4-91, 4-92, 4-108, 4-109, 4-110, 4-112, 4-113, 4-116, 4-120, 4-132, 4-143, 4-149, 4-150, 4-170, 4-172, 4-173, 4-174, 4-177, 4-178, 4-179, 4-183, 4-202, 4-207, 4-210, 4-

215, 4-216, 4-217, 4-238, 4-270, 4-272, 5-12, 5-17, 5-18, 5-21, 5-23, 5-24, 5-25, 5-30, 5-44, 5-45, 7-48, 7-51

S

sagebrush, ES-20, 2-66, 2-99, 2-100, 3-97, 3-98, 3-101, 3-102, 3-103, 3-112, 3-113, 3-117, 3-135, 3-136, 3-139, 3-140, 3-141, 3-145, 3-146, 3-147, 3-151, 3-152, 3-157, 4-121, 4-123, 4-125, 4-132, 4-136, 4-137, 4-139, 4-140, 4-152, 4-153, 4-155, 4-159, 4-160, 4-161, 4-162, 4-163, 4-164, 4-166, 4-167, 4-186, 4-187, 4-190, 4-191, 4-192, 4-193, 4-194, 4-195, 4-196, 4-197, 4-198, 4-199, 4-200, 4-210, 4-211, 4-212, 4-213, 4-214, 4-221, 4-222, 4-224, 4-225, 4-226, 4-227, 4-228, 4-229, 4-230, 4-231, 4-233, 4-234, 4-246, 5-27, 5-31, 5-36, 5-39, 5-40, 5-41, 5-42, 5-43, 5-46, 5-48, 5-49, 5-50, 5-51, 5-53, 7-6, 7-8, 7-22

sage-grouse, ES-19, ES-20, 2-99, 2-100, 3-113, 3-115, 3-116, 3-135, 3-136, 3-137, 3-139, 3-140, 3-143, 4-155, 4-163, 4-190, 4-191, 4-192, 4-193, 4-194, 4-192, 4-194, 4-195, 4-196, 4-197, 4-198, 4-199, 4-200, 4-211, 4-224, 4-225, 4-226, 4-225, 4-227, 4-228, 4-229, 4-228, 4-229, 4-230, 4-231, 5-39, 5-48, 5-49, 5-50, 5-51, 5-53, 7-4, 7-6, 7-9, 7-10, 7-14, 7-23, 7-25

sediment, ES-2, ES-5, ES-6, ES-9, ES-13, ES-16, ES-18, ES-25, 1-1, 1-22, 1-23, 1-25, 1-26, 2-5, 2-6, 2-7, 2-8, 2-12, 2-17, 2-20, 2-24, 2-25, 2-26, 2-27, 2-32, 2-38, 2-45, 2-46, 2-51, 2-59, 2-63, 2-80, 2-91, 2-93, 2-97, 2-108, 3-12, 3-13, 3-42, 3-46, 3-49, 3-51, 3-82, 3-104, 3-108, 3-109, 3-110, 3-149, 4-7, 4-32, 4-33, 4-34, 4-37, 4-39, 4-40, 4-41, 4-42, 4-43, 4-57, 4-73, 4-74, 4-80, 4-82, 4-89, 4-108, 4-109, 4-112, 4-113, 4-114, 4-116, 4-120, 4-128, 4-131, 4-132, 4-143, 4-149, 4-150, 4-169, 4-170, 4-171, 4-172, 4-173, 4-177, 4-179, 4-182, 4-183, 4-202, 4-215, 4-218, 4-219, 4-272, 5-17, 5-18, 5-21, 5-22, 5-23, 5-24, 5-25, 5-26, 5-30, 5-44, 5-45, 5-46, 5-47, 5-63, 7-8, 7-9, 7-10, 7-15, 7-17, 7-21, 7-24, 7-30, 7-31, 7-34, 7-35, 7-46, 7-48, 7-50, 7-51

seismicity, 3-2, 3-11, 7-51

selenium, ES-2, ES-5, ES-8, ES-10, ES-13, ES-15, ES-16, ES-17, ES-18, ES-19, ES-20, ES-

25, 1-1, 1-23, 1-24, 1-26, 1-27, 1-28, 1-29, 1-32, 2-6, 2-17, 2-20, 2-21, 2-32, 2-60, 2-63, 2-73, 2-74, 2-89, 2-91, 2-93, 2-95, 2-96, 2-98, 2-99, 2-101, 2-108, 3-12, 3-13, 3-15, 3-17, 3-19, 3-39, 3-41, 3-42, 3-49, 3-50, 3-51, 3-52, 3-53, 3-54, 3-55, 3-56, 3-57, 3-58, 3-61, 3-62, 3-63, 3-64, 3-80, 3-85, 3-87, 3-88, 3-130, 3-131, 3-132, 3-133, 3-159, 4-8, 4-11, 4-14, 4-34, 4-44, 4-54, 4-57, 4-59, 4-65, 4-66, 4-67, 4-69, 4-73, 4-75, 4-83, 4-84, 4-85, 4-86, 4-87, 4-89, 4-92, 4-95, 4-96, 4-97, 4-99, 4-103, 4-104, 4-107, 4-111, 4-113, 4-115, 4-117, 4-120, 4-124, 4-125, 4-127, 4-133, 4-138, 4-141, 4-143, 4-144, 4-148, 4-151, 4-152, 4-153, 4-156, 4-157, 4-158, 4-164, 4-165, 4-168, 4-169, 4-170, 4-171, 4-172, 4-173, 4-174, 4-178, 4-184, 4-189, 4-200, 4-202, 4-203, 4-204, 4-205, 4-206, 4-207, 4-209, 4-210, 4-211, 4-212, 4-214, 4-215, 4-216, 4-217, 4-249, 4-251, 4-271, 4-272, 4-273, 5-6, 5-18, 5-21, 5-22, 5-24, 5-29, 5-30, 5-32, 5-33, 5-34, 5-42, 5-43, 5-44, 5-45, 5-46, 5-47, 5-48, 5-52, 7-3, 7-6, 7-7, 7-8, 7-10, 7-11, 7-12, 7-16, 7-17, 7-18, 7-19, 7-20, 7-21, 7-22, 7-23, 7-24, 7-25, 7-26, 7-30, 7-31, 7-33, 7-42, 7-49, 7-50

soil, ES-3, ES-4, ES-8, ES-14, ES-16, ES-17, ES-18, 1-17, 1-18, 1-21, 1-23, 2-6, 2-17, 2-19, 2-20, 2-21, 2-22, 2-31, 2-32, 2-33, 2-52, 2-54, 2-64, 2-65, 2-69, 2-75, 2-76, 2-81, 2-83, 2-92, 2-93, 2-94, 2-92, 2-93, 2-92, 2-97, 3-1, 3-11, 3-13, 3-87, 3-88, 3-89, 3-90, 3-91, 3-92, 3-93, 3-94, 3-95, 3-96, 3-97, 3-101, 3-103, 3-125, 3-140, 3-150, 3-151, 3-152, 3-154, 4-2, 4-5, 4-6, 4-7, 4-15, 4-19, 4-32, 4-34, 4-37, 4-39, 4-40, 4-41, 4-42, 4-43, 4-45, 4-46, 4-47, 4-48, 4-52, 4-73, 4-80, 4-88, 4-90, 4-92, 4-112, 4-113, 4-114, 4-115, 4-116, 4-117, 4-118, 4-119, 4-120, 4-123, 4-124, 4-125, 4-127, 4-131, 4-132, 4-133, 4-138, 4-140, 4-142, 4-143, 4-144, 4-152, 4-153, 4-154, 4-169, 4-174, 4-179, 4-239, 5-11, 5-18, 5-23, 5-24, 5-25, 5-26, 5-29, 6-5, 7-1, 7-2, 7-3, 7-5, 7-7, 7-9, 7-11, 7-15, 7-19, 7-20, 7-22, 7-24, 7-32, 7-34, 7-47, 7-48, 7-49, 7-50, 7-51, 7-52

soils, ES-16, 1-21, 1-23, 2-92, 3-88, 3-92, 3-94, 3-95, 4-114, 4-116, 4-117, 5-19, 5-25, 6-5, 6-7, 7-4, 7-7, 7-21

species, ES-6, ES-17, ES-18, ES-19, ES-20, ES-21, ES-22, ES-23, 1-8, 1-18, 1-24, 1-25, 1-26, 1-27, 1-28, 1-27, 1-28, 1-29, 1-30, 1-31,

2-22, 2-33, 2-36, 2-38, 2-46, 2-65, 2-66, 2-94, 2-95, 2-96, 2-98, 2-99, 2-100, 2-101, 2-102, 2-100, 2-101, 2-102, 2-103, 2-104, 2-105, 2-106, 3-12, 3-22, 3-88, 3-97, 3-101, 3-102, 3-103, 3-104, 3-107, 3-108, 3-110, 3-111, 3-112, 3-113, 3-114, 3-115, 3-116, 3-117, 3-118, 3-128, 3-129, 3-130, 3-132, 3-133, 3-134, 3-135, 3-136, 3-139, 3-140, 3-141, 3-142, 3-143, 3-144, 3-145, 3-146, 3-147, 3-148, 3-149, 3-150, 3-151, 3-152, 3-157, 3-160, 3-168, 4-5, 4-120, 4-121, 4-122, 4-123, 4-124, 4-125, 4-126, 4-127, 4-128, 4-133, 4-134, 4-135, 4-136, 4-137, 4-138, 4-139, 4-140, 4-141, 4-142, 4-143, 4-147, 4-149, 4-150, 4-151, 4-152, 4-153, 4-155, 4-156, 4-157, 4-158, 4-159, 4-160, 4-161, 4-162, 4-163, 4-164, 4-165, 4-166, 4-167, 4-168, 4-169, 4-170, 4-171, 4-173, 4-176, 4-181, 4-183, 4-184, 4-185, 4-186, 4-187, 4-188, 4-189, 4-190, 4-191, 4-192, 4-194, 4-195, 4-195, 4-197, 4-198, 4-200, 4-201, 4-202, 4-203, 4-204, 4-205, 4-206, 4-207, 4-208, 4-209, 4-210, 4-211, 4-212, 4-213, 4-214, 4-215, 4-216, 4-217, 4-218, 4-219, 4-221, 4-222, 4-223, 4-224, 4-225, 4-227, 4-229, 4-230, 4-232, 4-234, 4-235, 4-236, 4-237, 4-244, 4-249, 4-251, 4-252, 4-253, 4-254, 4-256, 4-257, 4-258, 4-261, 4-272, 5-12, 5-29, 5-31, 5-32, 5-33, 5-34, 5-35, 5-36, 5-37, 5-39, 5-40, 5-41, 5-42, 5-43, 5-44, 5-45, 5-46, 5-48, 5-49, 5-50, 5-51, 5-52, 5-53, 5-63, 5-64, 6-6, 7-7, 7-8, 7-10, 7-14, 7-15, 7-17, 7-18, 7-19, 7-20, 7-25, 7-28, 7-33, 7-38, 7-39, 7-40, 7-46, 7-47, 7-48, 7-50, 7-51

Springs, 7-12

stockpile, ES-2, ES-3, ES-5, ES-6, ES-7, ES-8, ES-9, ES-10, ES-11, ES-15, ES-16, 21, 1-1, 1-2, 1-5, 1-6, 1-7, 1-21, 2-7, 2-8, 2-11, 2-12, 2-17, 2-18, 2-19, 2-20, 2-22, 2-25, 2-26, 2-27, 2-31, 2-37, 2-38, 2-39, 2-40, 2-51, 2-52, 2-54, 2-59, 2-70, 2-76, 2-80, 2-88, 2-89, 2-94, 2-93, 2-102, 3-1, 3-14, 3-78, 4-2, 4-6, 4-7, 4-10, 4-15, 4-27, 4-40, 4-41, 4-42, 4-43, 4-44, 4-52, 4-53, 4-57, 4-73, 4-74, 4-80, 4-90, 4-91, 4-92, 4-108, 4-109, 4-110, 4-111, 4-112, 4-116, 4-117, 4-118, 4-128, 4-132, 4-149, 4-150, 4-178, 4-238, 4-239, 4-245, 5-26, 7-48, 7-50

surface water, ES-2, ES-5, ES-6, ES-9, ES-10, ES-11, ES-13, ES-14, ES-15, ES-16, ES-19, ES-25, 1-1, 1-2, 1-6, 1-12, 1-22, 1-23, 1-26, 1-28, 1-30, 2-6, 2-7, 2-11, 2-12, 2-20, 2-21, 2-

24, 2-25, 2-26, 2-27, 2-35, 2-36, 2-38, 2-45, 2-46, 2-59, 2-69, 2-73, 2-75, 2-76, 2-77, 2-80, 2-87, 2-89, 2-91, 2-98, 2-108, 3-12, 3-17, 3-32, 3-39, 3-40, 3-45, 3-51, 3-52, 3-54, 3-56, 3-61, 3-63, 3-65, 3-79, 3-104, 3-108, 3-109, 3-110, 3-117, 3-118, 4-6, 4-7, 4-15, 4-25, 4-32, 4-33, 4-37, 4-44, 4-45, 4-51, 4-55, 4-73, 4-80, 4-81, 4-82, 4-83, 4-84, 4-85, 4-86, 4-87, 4-97, 4-108, 4-110, 4-111, 4-112, 4-113, 4-120, 4-131, 4-132, 4-133, 4-138, 4-143, 4-149, 4-150, 4-151, 4-152, 4-157, 4-158, 4-162, 4-165, 4-171, 4-173, 4-174, 4-178, 4-183, 4-184, 4-189, 4-200, 4-202, 4-207, 4-210, 4-212, 4-214, 4-215, 4-216, 4-217, 4-233, 4-234, 4-235, 4-237, 4-238, 4-251, 4-254, 4-256, 4-257, 4-258, 4-272, 4-273, 5-5, 5-8, 5-12, 5-17, 5-22, 5-23, 5-24, 5-26, 5-30, 5-35, 5-42, 5-43, 5-44, 5-45, 5-46, 5-47, 5-48, 5-52, 5-53, 5-63, 7-45, 7-48

T

TDS, 3-41, 3-51, 3-53, 3-54, 3-55, 3-56, 3-57, 3-80, 3-81, 3-83, 3-84, 3-85, 3-86, 4-8, 4-11, 4-14, 4-43, 4-44, 4-57, 4-59, 4-65, 4-66, 4-84, 4-85, 4-86, 4-87, 4-99, 4-107, 4-237, 7-43

treaty rights, ES-23, ES-24, 1-18, 1-19, 1-30, 1-32, 2-106, 2-105, 2-107, 3-160, 3-161, 3-162, 3-167, 3-168, 3-180, 4-256, 4-257, 4-258, 4-259, 4-267, 4-268, 5-62, 5-63, 6-2, 6-3

tribal, ES-23, ES-24, 1-17, 1-18, 1-19, 2-105, 3-158, 3-160, 3-162, 3-167, 3-168, 3-180, 4-33, 4-257, 4-258, 4-259, 5-62, 5-63, 6-2, 6-3

tribe, 2-107, 3-167, 3-168, 4-257, 4-268, 5-63, 6-2, 6-3, 7-12

Tribes, ES-23, ES-24, 1-18, 1-19, 1-32, 2-22, 2-66, 2-105, 2-107, 3-161, 3-162, 3-166, 3-167, 3-168, 3-180, 4-257, 4-258, 4-259, 4-267, 4-268, 5-62, 5-63, 6-2, 6-3, 7-24

trout, 3-128, 3-129, 3-130, 3-132, 3-133, 3-148, 4-170, 4-172, 4-173, 4-175, 4-178, 4-179, 4-219, 4-235, 5-45, 5-46, 5-52, 7-11, 7-23, 7-24, 7-33

U

USFS, ES-1, ES-4, ES-7, ES-13, ES-14, ES-19, 1-1, 1-2, 1-5, 1-6, 1-7, 1-8, 1-15, 1-16, 1-17, 1-18, 1-19, 2-1, 2-5, 2-6, 2-8, 2-20, 2-21, 2-

39, 2-40, 2-51, 2-87, 2-94, 2-98, 2-102, 2-104, 6-1, 6-2, 6-3, 6-4, 7-2, 7-9, 7-10, 7-15, 7-19, 7-20, 7-22, 7-28, 7-31, 7-32, 7-43, 7-45, 7-46

V

vegetation, ES-4, ES-8, ES-13, ES-16, ES-17, ES-18, ES-21, 1-6, 1-16, 1-17, 1-19, 1-24, 1-25, 1-26, 1-28, 1-29, 1-30, 2-6, 2-20, 2-21, 2-22, 2-27, 2-28, 2-31, 2-32, 2-33, 2-36, 2-38, 2-60, 2-63, 2-65, 2-69, 2-75, 2-76, 2-77, 2-87, 2-93, 2-94, 2-95, 2-96, 2-97, 2-98, 2-103, 3-1, 3-13, 3-51, 3-87, 3-96, 3-97, 3-98, 3-99, 3-102, 3-103, 3-104, 3-108, 3-109, 3-110, 3-111, 3-112, 3-117, 3-119, 3-120, 3-125, 3-134, 3-143, 3-144, 3-146, 3-146, 3-147, 3-148, 3-149, 3-154, 3-157, 3-160, 3-168, 4-2, 4-5, 4-27, 4-31, 4-34, 4-37, 4-40, 4-41, 4-42, 4-45, 4-46, 4-47, 4-48, 4-73, 4-74, 4-80, 4-88, 4-89, 4-90, 4-112, 4-114, 4-115, 4-116, 4-117, 4-119, 4-120, 4-121, 4-122, 4-123, 4-124, 4-125, 4-126, 4-127, 4-131, 4-133, 4-134, 4-135, 4-136, 4-137, 4-138, 4-140, 4-141, 4-142, 4-143, 4-144, 4-147, 4-148, 4-149, 4-150, 4-151, 4-152, 4-153, 4-155, 4-159, 4-160, 4-161, 4-162, 4-163, 4-165, 4-166, 4-167, 4-168, 4-169, 4-170, 4-174, 4-179, 4-182, 4-184, 4-185, 4-186, 4-187, 4-194, 4-198, 4-201, 4-206, 4-212, 4-213, 4-214, 4-215, 4-217, 4-219, 4-220, 4-221, 4-222, 4-227, 4-230, 4-236, 4-237, 4-238, 4-239, 4-240, 4-243, 4-245, 4-246, 4-249, 4-253, 4-257, 4-258, 4-272, 5-6, 5-10, 5-12, 5-13, 5-17, 5-18, 5-19, 5-21, 5-26, 5-27, 5-28, 5-29, 5-30, 5-31, 5-32, 5-33, 5-34, 5-35, 5-36, 5-39, 5-40, 5-43, 5-44, 5-45, 5-46, 5-49, 5-50, 5-52, 5-54, 5-55, 5-56, 5-62, 5-63, 6-5, 6-6, 7-3, 7-4, 7-7, 7-16, 7-23, 7-27, 7-47, 7-50, 7-51, 7-52

visual, ES-21, 1-28, 2-18, 2-36, 2-45, 2-74, 2-81, 2-102, 3-130, 3-139, 3-147, 3-148, 3-153, 3-154, 3-157, 3-158, 3-168, 4-156, 4-238, 4-239, 4-240, 4-243, 4-244, 4-245, 4-246, 4-257, 5-30, 5-31, 5-53, 5-54, 5-55, 5-56, 5-63, 7-52

W

water quality, ES-2, ES-16, ES-21, 1-11, 1-17, 1-22, 1-26, 1-29, 2-6, 2-7, 2-24, 2-25, 2-26, 2-35, 2-63, 2-69, 2-91, 2-93, 2-100, 3-39, 3-40, 3-41, 3-46, 3-49, 3-50, 3-51, 3-53, 3-54, 3-55,

3-56, 3-57, 3-58, 3-61, 3-62, 3-63, 3-64, 3-66, 3-78, 3-79, 3-80, 3-81, 3-82, 3-83, 3-84, 3-86, 3-87, 3-126, 3-168, 4-8, 4-12, 4-13, 4-14, 4-32, 4-33, 4-43, 4-45, 4-46, 4-61, 4-73, 4-82, 4-83, 4-85, 4-87, 4-92, 4-97, 4-110, 4-111, 4-112, 4-116, 4-132, 4-133, 4-144, 4-147, 4-150, 4-159, 4-165, 4-169, 4-174, 4-179, 4-183, 4-189, 4-200, 4-202, 4-219, 4-235, 4-237, 4-238, 4-249, 4-254, 4-257, 4-272, 5-17, 5-18, 5-21, 5-23, 5-24, 5-46, 5-47, 5-51, 5-62, 5-63, 6-5, 7-12, 7-13, 7-19, 7-30, 7-31, 7-33

water resource, ES-13, ES-14, ES-16, 1-17, 1-19, 2-26, 2-81, 2-86, 2-87, 2-89, 2-91, 3-1, 4-5, 4-33, 4-48, 4-55, 4-87, 4-88, 4-92, 4-110, 4-111, 4-112, 4-133, 4-158, 5-17, 5-18, 5-22, 5-24, 5-44

watershed, ES-13, ES-14, ES-15, ES-18, 1-20, 2-20, 2-34, 2-56, 2-87, 3-1, 3-32, 3-33, 3-49, 3-50, 3-51, 3-87, 3-127, 3-128, 3-148, 3-150, 4-33, 4-34, 4-73, 4-74, 4-79, 4-81, 4-84, 4-108, 4-109, 4-110, 4-126, 4-132, 4-141, 4-142, 4-141, 4-158, 4-170, 4-172, 4-173, 4-178, 4-179, 4-186, 4-187, 4-203, 4-210, 4-215, 4-216, 4-217, 4-218, 4-219, 4-221, 4-222, 5-2, 5-8, 5-17, 5-18, 5-21, 5-22, 5-26, 5-30, 5-35, 5-43, 5-44, 5-45, 5-54, 7-18, 7-26, 7-29, 7-39, 7-52

Wells Formation, ES-11, 3-14, 3-15, 3-19, 3-21, 3-22, 3-23, 3-58, 3-69, 3-73, 3-77, 4-9, 4-10, 4-14, 4-16, 4-17, 4-34, 4-37, 4-38, 4-88, 4-89, 4-91, 4-95, 5-8, 7-44

wetland, ES-4, ES-5, ES-6, ES-7, ES-9, ES-17, ES-18, ES-19, ES-20, ES-21, ES-22, ES-23, 1-6, 1-8, 1-17, 1-22, 1-24, 1-25, 2-11, 2-20, 2-21, 2-25, 2-33, 2-34, 2-35, 2-36, 2-37, 2-38, 2-39, 2-45, 2-46, 2-52, 2-54, 2-59, 2-69, 2-70, 2-74, 2-78, 2-79, 2-80, 2-81, 2-94, 2-95, 2-94, 2-95, 2-96, 2-97, 2-98, 2-99, 2-101, 2-100, 2-104, 3-13, 3-97, 3-98, 3-101, 3-102, 3-103, 3-104, 3-105, 3-107, 3-108, 3-109, 3-110, 3-112, 3-113, 3-114, 3-117, 3-118, 3-120, 3-125, 3-126, 3-130, 3-143, 3-147, 3-150, 3-157, 4-32, 4-33, 4-51, 4-56, 4-80, 4-81, 4-82, 4-97, 4-110, 4-120, 4-121, 4-128, 4-129, 4-131, 4-132, 4-133, 4-137, 4-138, 4-143, 4-144, 4-145, 4-147, 4-148, 4-149, 4-150, 4-152, 4-155, 4-158, 4-159, 4-162, 4-163, 4-164, 4-165, 4-168, 4-169, 4-170, 4-171, 4-173, 4-174, 4-175, 4-176, 4-177, 4-178, 4-179, 4-180, 4-182, 4-187, 4-189, 4-200, 4-

202, 4-207, 4-209, 4-212, 4-214, 4-215, 4-216, 4-217, 4-218, 4-219, 4-222, 4-232, 4-233, 4-234, 4-235, 4-236, 4-237, 4-254, 4-258, 5-19, 5-26, 5-28, 5-30, 5-32, 5-33, 5-35, 5-36, 5-39, 5-40, 5-41, 5-43, 5-45, 5-46, 5-47, 5-52, 5-53, 6-5, 6-6, 7-3, 7-4, 7-9, 7-11, 7-13, 7-18, 7-21, 7-25, 7-27, 7-40, 7-41, 7-44, 7-49, 7-52

wildlife, ES-1, ES-3, ES-4, ES-5, ES-9, ES-13, ES-17, ES-18, ES-22, ES-23, 1-1, 1-8, 1-9, 1-17, 1-19, 1-22, 1-25, 1-26, 1-29, 1-30, 1-32, 2-20, 2-21, 2-25, 2-28, 2-33, 2-34, 2-36, 2-37, 2-38, 2-78, 2-79, 2-80, 2-81, 2-96, 2-104, 2-108, 3-28, 3-39, 3-87, 3-97, 3-104, 3-107, 3-108, 3-109, 3-110, 3-112, 3-113, 3-115, 3-118, 3-135, 3-139, 3-143, 3-144, 3-147, 3-149, 3-153, 3-158, 3-159, 3-168, 4-5, 4-26, 4-32, 4-33, 4-123, 4-124, 4-125, 4-126, 4-131, 4-132, 4-138, 4-140, 4-141, 4-148, 4-150, 4-151, 4-152, 4-153, 4-154, 4-158, 4-159, 4-160, 4-161, 4-162, 4-165, 4-166, 4-167, 4-168, 4-169, 4-175, 4-180, 4-184, 4-187, 4-190, 4-198, 4-203, 4-212, 4-222, 4-223, 4-224, 4-230, 4-231, 4-232, 4-233, 4-234, 4-236, 4-237, 4-238, 4-249, 4-251, 4-253, 4-254, 4-255, 4-256, 4-257, 4-258, 4-271, 4-272, 5-31, 5-36, 5-37, 5-39, 5-40, 5-41, 5-42, 5-43, 5-44, 5-48, 5-49, 5-51, 5-52, 5-53, 5-62, 5-63, 5-64, 6-1, 6-4, 6-5, 6-6, 7-2, 7-4, 7-6, 7-7, 7-9, 7-10, 7-13, 7-14, 7-16, 7-17, 7-18, 7-19, 7-21, 7-22, 7-23, 7-24, 7-25, 7-26, 7-29,

7-32, 7-33, 7-39, 7-43, 7-44, 7-45, 7-49

WMA, ES-1, ES-5, ES-6, ES-22, 1-1, 1-13, 1-29, 2-5, 2-38, 2-39, 2-40, 2-54, 2-104, 3-28, 3-139, 3-153, 3-158, 3-159, 3-160, 3-161, 4-238, 4-239, 4-249, 4-252, 4-253, 4-261, 5-36, 5-42, 5-55, 7-13, 7-14, 7-44

wolf, ES-19, 2-99, 2-100, 2-99, 3-140, 4-200, 4-201, 4-231, 5-50, 5-52, 5-53, 7-12, 7-20

wolverine, ES-19, 2-99, 2-100, 2-99, 3-133, 3-135, 3-140, 4-184, 4-188, 4-189, 4-190, 4-201, 4-223, 4-224, 4-232, 5-50, 5-52, 5-53, 7-6, 7-23

woodland, ES-17, ES-20, 2-101, 3-97, 3-98, 3-112, 3-113, 3-116, 3-144, 3-145, 3-146, 3-147, 3-152, 3-157, 4-121, 4-137, 4-186, 4-198, 4-202, 4-221, 4-230, 5-27, 7-22

Y

YCT, 7-10

Z

zinc, 3-2, 3-12, 3-15, 3-17, 3-19, 3-39, 3-41, 3-42, 3-58, 3-63, 3-64, 3-81, 3-131, 3-132, 4-8, 4-14, 4-44, 4-55, 4-59, 4-65, 4-66, 4-84, 4-85, 4-86, 4-87, 4-96, 4-99, 4-107, 4-173, 4-174, 5-43, 5-47, 5-52, 7-21